COMPETITION TRIBUNAL
TRIBUNAL DE LA CONCURRENCE

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Sarah Sharp-Smith for / pour
REGISTRAR / REGISTRAIRE

OTTAWA, ONT.

PUBLIC

CT-2024-010

THE COMPETITION TRIBUNAL

IN THE MATTER OF the Competition Act, R.S.C. 1985, c. C-34;

AND IN THE MATTER OF certain conduct of Google Canada Corporation and Google LLC relating to the supply of online advertising technology services in Canada;

AND IN THE MATTER OF an Application by the Commissioner of Competition for one or more orders pursuant to section 79 of the *Competition Act*.

BETWEEN:

153

COMMISSIONER OF COMPETITION

Applicant

and

GOOGLE CANADA CORPORATION AND GOOGLE LLC

Respondents

REVISED SUPPLEMENTARY MOTION RECORD

VOL 1 of 11

August 22, 2025

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AND TO: THE REGISTRAR OF THE COMPETITION TRIBUNAL

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3	
	AND IN THE MATTER OF certain conduct of Google Canada
4	Corporation and Google LLC relating to the supply of
	online advertising technology services in Canada;
5	
6	AND IN THE MATTER OF an application by the Commissioner of
	Competition for one or more orders pursuant to section 79
7	of the Competition Act.
8	
9	BETWEEN:
10	COMMISSIONER OF COMPETITION,
11	Applicant,
12	
13	- and -
14	GOOGLE CANADA CORPORATION AND GOOGLE LLC,
15	Respondents.
16	
17	CROSS-EXAMINATION of DR. STEVEN TADELIS,
18	taken on Tuesday, July 29, 2025, via
19	Veritext Remote Platform at 12:00 p.m.
20	
21	
22	
23	Job No: ON 7504280
24	Reported by: Lisa M Barrett, RPR, CRR, CRC, CSR
25	

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1	APPEARANCES:
2	
3	(All parties appeared remotely)
4	
5	Alexander M. Gay Counsel for the Applicant,
6	John Syme The Commissioner of Competition
7	Sanjay Kumbhare
8	
9	
10	Kent E. Thomson Counsel for the Respondents,
11	Elisa K. Kearney Google Canada Corporation and Google LLC
12	Chantelle T.M. Cseh
13	Chenyang Li
14	Alisa McMaster
15	
16	
17	
18	Also present via Zoom: Mark Glick, Catalina Ravizza, Sam
19	Cooke, Jeff Marowits, Estelle Filiatrault-B gin, Kristen
20	McLean, Christina Pan, Mallory Kelly
21	
22	
23	
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7	**The following list of undertakings, advisements and
8	refusals is meant as a guide only for the assistance of
9	counsel and no other purpose**
10	
11	INDEX OF UNDERTAKINGS
12	The questions/requests undertaken are noted by U/T and appear
13	on the following pages: None.
14	
15	INDEX OF ADVISEMENTS
16	The questions/requests taken under advisement are noted by U/A
17	and appear on the following pages: None.
18	
19	INDEX OF REFUSALS
20	The questions/requests refused are noted by REF and appear on
21	the following pages: 152:22
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		PUBLIC 8
1		Commencing at 12:04 p.m.
2		PROFESSOR STEVEN TADELIS: AFFIRMED
3		CROSS-EXAMINATION BY MR. THOMSON:
4	1	Q. Do you have a copy with you
5		of your report?
6		A. Yes, I do. I have an unmarked
7		copy of my report with me.
8	2	Q. That's fine. And does that
9		copy of your report include the appendices to
10		it?
11		A. No, I only copied the report.
12		I do have access to a PDF that is
13		also unmarked on my iPad or on my laptop.
14	3	Q. Presumably we can pull the
15		report up with the appendices, as well, if we
16		need it.
17		Alex, I propose to mark documents
18		that I refer to during the examination
19		individually as exhibits; is that acceptable?
20		MR. GAY: That's acceptable. It
21		works just fine.
22		BY MR. THOMSON:
23	4	Q. Thank you. So, Professor
24		Tadelis, I'm going to deal with four matters
25		today in sequence, just to give you a roadmap.

		PUBLIC	9
1		So the issue of your background	and
2		experience being the first issue.	
3		The second being the determinat	ion
4		of optimal penalties in an abuse of dominance	е
5		case of this nature and then I'm going to dea	al
6		with the probability of detection, and then	I'm
7		going to deal with your evidence concerning	how
8		the Tribunal will exercise its discretion in	
9		imposing sanctions upon Google, if liability	is
10		found.	
11		So, let me start with the first	
12		issue which is your background and experience	e.
13		Of course, your report summarizes your	
14		background and qualifications to express the	
15		opinions set out in your report?	
16		A. That is correct.	
17	5	Q. And we can proceed, can we	
18		not, and the Tribunal can proceed, can it no	t,
19		on the basis that your report summarizes	
20		accurately your background and your experien	ce
21		and your qualifications?	
22		A. That is correct.	
23	6	Q. And with respect to your	
24		academic specialty, if you look at paragraph	2
25		of your report	

		PUBLIC 10
1		A. I'm there.
2	7	Q you say that your academic
3		specialty lies in economics, including the
4		economic and statistical analysis topics in
5		e-commerce and economics of the internet,
6		industrial organization and microeconomics?
7		A. Yes, that is correct.
8	8	Q. And you go on to say
9		sorry, I don't mean to talk over you and if I
10		am, it's because there is a bit of a gap
11		between you and me.
12		A. I totally understand that, sir.
13		No worries.
14	9	Q. Please understand that if I
15		am interrupting you. It's not intentional.
16		I don't practice that way, so I'll
17		apologize in advance if I do you should have no
18		hesitation to put your hand in the air and just
19		tell me you're not finished.
20		A. I appreciate that, Mr. Thomson.
21	10	Q. You go on to in paragraph 2
22		to say that you have expertise in the
23		economics of institutions, economic analysis
24		for business decisions, including those
25		related to digital advertising and marketing

		PUBLIC	11
1		strategies, pricing and fee-setting, contra	ct
2		theory, game theory and strategic sourcing.	
3		I assume that's all fair and	
4		accurate.	
5		A. That is correct, sir.	
6	11	Q. And you would accept that	
7		there is no specific mention made in that p	art
8		of your report of having specific expertise	in
9		the determination of optimal antitrust	
10		penalties?	
11		A. Under the category of	
12		industrial organization, subsection is	
13		antitrust, and I have been retained as an e	xpert
14		in several antitrust cases in the U.S.	
15		I've been deposed and testifie	d
16		on antitrust matters, so I do view myself a	S
17		an expert in antitrust.	
18		I am not familiar with a	
19		sub-specialty of optimal penalty calculatio	ns.
20		I find that just to be part of antitrust	
21		economics.	
22	12	Q. So come back to my questio	n:
23		You will agree, as an entirely neutral and	
24		independent expert, that there's no specifi	С
25		mention made in this part of your report of	

PUBLIC 12 you having specific expertise in determining 1 2. optimal antitrust penalties, correct? I view that as falling under 3 4 the category of industrial organization and, hence, did not see a reason to offer a specific categorization, especially since the calculation 6 7 of optimal penalties, to the best of my knowledge, is not considered a sub-specialty of this field. 9 All right. So, Professor, 10 13 I'm going to come back. I'm going to ask the 11 12 question one last time and I'm going to warn 13 you, at the outset, that I will be reading these exchanges back to the Tribunal when it 14 15 comes to your qualifications and your ability to testify as an independent expert, so let's 16 17 try it one last time and give you one last 18 shot at this: There is no specific mention made in this part of your report of you having 19 any specific expertise in determining optimal 2.0 antitrust penalties, correct? 2.1 22 That is not mentioned -- as I 2.3 explained earlier, that's not a well-defined subsection of what I refer to as industrial 24 organization, which includes antitrust 25

		PUBLIC 13
1		economics. That is correct.
2	14	Q. Let me let me pull up your
3		faculty profile at the Haas School of
4		Business, at the University of Berkeley. I'm
5		going to ask my colleague to pull that up,
6		please. Tab 1D.
7		Are you able to see that on your
8		screen?
9		A. Yes, I see that.
10	15	Q. Okay, basic building blocks,
11		you are, as I understand it, a Professor of
12		Economics, Business and Public Policy at the
13		Haas School of Business?
14		A. That is correct, sir.
15	16	Q. The Haas School of Business
16		is one of the faculties at the University of
17		California Berkeley?
18		A. That would be a fair
19		description, sir.
20	17	Q. And you are no doubt aware
21		that the Haas School of Business maintains a
22		website.
23		A. I am aware of that, sir.
24	18	Q. One element of that website
25		is to display profiles of members of the

		PUBLIC 14
1		faculty of the Haas School of Business.
2		A. That is correct.
3	19	Q. You would be aware that your
4		profile appears as part of that component of
5		the School's website?
6		A. Yes, I do.
7	20	Q. And if we take a look at your
8		profile, you recognize the handsome gentleman
9		whose picture appears under the heading
10		"Steven Tadelis"?
11		A. Handsome would be in the eyes
12		of the beholder, but I do recognize myself, sir.
13	21	Q. Okay. All right. Good for
14		you.
15		Am I correct in assuming you played
16		a role in the creation and posting of your
17		profile on this portion of the website?
18		A. I provided a CV, an academic
19		CV. Beyond that, I was not involved in this
20		particular profile.
21	22	Q. All right. You have reviewed
22		the profile from time to time, to ensure that
23		it fairly and accurately describes your
24		background and your areas of expertise?
25		A. It's been a while. I'm sure I

		PUBLIC	15
1		must have looked at it in the past when it	was
2		first put up.	
3		I have not paid much attentio	n to
4		it for a while.	
5	23	Q. Okay, if we look at the	
6		headline at the top of the second page	
7		A. Yes I see that.	
8	24	Q the headline describes	you
9		as the leading expert on e-commerce and	
10		internet economics?	
11		A. That is correct.	
12		I would just like to clarify	that
13		the term "expert" here is not used in the	way
14		it would be used as an expert witness, but	as
15		my academic expertise that the Haas School	
16		decided that they would like to emphasize	to
17		the world.	
18	25	Q. Okay and you will see tha	t
19		the profile goes on to describe you under	the
20		heading "About" and has a heading about	
21		just keep scrolling down, "Expertise and	
22		research interest including e-commerce,	
23		competition and industrial organization,	
24		procurement, contracting, incentives and	
25		economics of organizations, theory of the	firm

		PUBLIC 16	
1		and game theory."	
2		A. That's correct.	
3	26	Q. And then describes in the	
4		pages that follow several publications you've	
5		been involved in.	
6		A. Yes, I see that as well.	
7	27	Q. And you would agree with me,	
8		same question I asked you a moment ago that	
9		this description of you in your profile on the	
10		website of the Haas School of Business makes	
11		no specific mention of your involvement in	
12		optimal antitrust penalties?	
13		A. That is correct.	
14	28	Q. Now let's mark that, I guess,	
15		as the first exhibit, so that will be	
16		Exhibit 1.	
17		EXHIBIT NO. 1: Professor	
18		Tadelis' Berkeley Haas Faculty	
19		Profile	
20		BY MR. THOMSON:	
21	29	Q. Now let me take you to your	
22		CV that you included as part of your report.	
23		Again, I don't know what you have	
24		available to you. We can pull this up if you'd	
25		like.	

		PUBLIC 17
1		If you look at paragraph 6 of your
2		report you say:
3		"A copy of my CV is
4		provided in Appendix A."
5		A. Yes.
6	30	Q. (Reading):
7		"And includes a list of all
8		publications I have authored in
9		peer-reviewed journals."
10		A. That is correct.
11	31	Q. And it goes on to to say:
12		"My CV also includes a list
13		of all cases in which during
14		the previous four years I've
15		testified as an expert at trial
16		or by deposition."
17		I take it that is a correct
18		statement.
19		A. Yes, that is a correct
20		statement.
21	32	Q. So if turn to your CV and I
22		want to focus on several aspects of it, if I
23		may.
24		Let me start with your work
25		experience outside the university setting. So

		PUBLIC 18
1		if you look at your CV, it's Appendix A. One of
2		my colleagues will pull that up. And the first
3		part of the CV has a heading called
4		"Appointments."
5		A. Yes it does, sir.
6	33	Q. And we can agree, can we not,
7		that in the period since you obtained your
8		Ph.D. in economics in 1997 you've worked at
9		two private sector companies or organizations?
10		A. That is correct, sir.
11	34	Q. So the first was as the
12		Senior Director and distinguished economist at
13		a firm called eBay Research Labs in San Jose
14		California, in the period from August of 2011
15		to August of 2013?
16		A. The firm is actually eBay
17		Incorporated. EBay Research Labs was the
18		organization within eBay that I belonged to at
19		the time.
20	35	Q. Right. And subject to that
21		qualification, you agree with my statement?
22		A. Yes.
23	36	Q. Okay, and then second you
24		also worked as the Vice-president of Economics
25		and Market Design and the Amazon Scholar at

		PUBLIC 19
1		Amazon, Inc. in Seattle, Washington in the
2		period from July, 2016 to February of 2021.
3		A. Yes, that is correct.
4		Physically I was not in Seattle for the whole
5		period, but the company is headquartered in
6		Seattle.
7	37	Q. Let me start with your work
8		at eBay. Am I correct that while you were at
9		eBay in the period from August of 2011 to
10		August of 2013 you hired and led a team of
11		research economists?
12		A. That is correct.
13	38	Q. And as understand it, you
14		paid particular attention to five matters, so
15		let me just give you my list.
16		First to creating better matches
17		between buyers and sellers.
18		A. That was one of the areas that
19		we focussed on.
20	39	Q. Second, reducing market
21		functions by increasing trust and safety in
22		eBay's marketplace?
23		A. Was that "friction," sir?
24	40	Q. Sorry, frictions, yes.
25		A. Yes, that is another area that

	PUBLIC 20
	We worked on.
41	Q. Third, understanding the
	underlying value of different advertising and
	marketing strategies?
	A. Yes, that is correct.
42	Q. Fourth, evaluating how buyers
	behave in online auctions?
	A. Yes, that is correct.
43	Q. Fifth, exploring the market
	outcomes associated with different pricing
	structures?
	A. Yes, those are five, among
	several other areas of work, but those were with
	the most prominent that I was involved in.
44	Q. And if we look at paragraph 4
	of your report, you describe the very matters
	that I've just taken you through, where you
	say:
	"During the 2011 and 2013
	academic years I was on leave
	of absence from the Haas School
	of Business to serve as Senior
	Director and Distinguished
	Economist at EBay Research Labs
	where I hired and led a team of
	42

		PUBLIC 21
1		research economists focused on
2		the economics of e-commerce
3		with particular attention"
4		And I've now read you the list of
5		the five matters that you set out in paragraph
6		4, so that's a fair and accurate description in
7		paragraph 4 of the work that you performed while
8		you were with eBay between 2011 and 2013?
9		A. Yes, with a proviso to be
10		somewhat, you know, short, rather than writing a
11		manifesto on things I did at eBay.
12	45	Q. You will accept that you made
13		no specific mention in this part of your
14		report to paying particular attention to
15		optimal antitrust penalties, correct?
16		A. That is correct, sir.
17	46	Q. And then let me turn to your
18		work at Amazon. You described this in
19		paragraph 5 of your report.
20		Am I right that during the period
21		that you were employed at Amazon between 2016
22		and 2021, you led a team of economists who
23		applied economics and data science to optimize
24		operations, pricing and cost allocations?
25		A. Among other things, yes.

		PUBLIC 22
1	47	Q. I also helped Amazon use a
2		wide range of applied research in economics
3		and market design?
4		A. Among other things, yes.
5	48	Q. You will accept, will you
6		not, sir, that you made no specific mention in
7		this portion of your report to working on or
8		specializing in optimal antitrust penalties
9		while you worked at Amazon?
10		A. Optimal penalties as applied to
11		antitrust, that would be correct.
12		There were other types of
13		penalties that were involved in the market
14		design. Penalties of over using space, et
15		cetera. I'm, unfortunately, not able to go
16		into too many details because of
17		confidentiality, but the underlying economic
18		analyses that Dr. Hylton lays out, as what he
19		calls the Chicago view are very much at the
20		heart of any economic calculation of
21		incentives, be them penalizing or promoting.
22	49	Q. Let me come back to my
23		question again: You made no specific mention
24		in this portion of your report to working on
25		or specializing in the determination of

		PUBLIC 23
1		optimal antitrust penalties, correct?
2		A. That is correct.
3	50	Q. Now let me turn to your list
4		of publications.
5		So if we go to your CV and look at
6		page 31, you will see a lengthy list of
7		publications that you have been involved in or
8		authored, starting with journal Articles on page
9		31 and then on page 33, book chapters and
10		invited papers. Then if we go to page 34 you
11		list seven or eight working papers or papers
12		under review and, finally, you list two books on
13		page 34.
14		A. Is there a question, sir?
15	51	Q. Am I correct?
16		A. Yes, you are correct.
17	52	Q. And with respect to the two
18		books, the first was published in 1996 and was
19		entitled "Solutions to Exercise: Microeconomic
20		Theory, " correct?
21		A. That is correct.
22	53	Q. The second was published more
23		recently in 2012 and it was entitled "Game
24		Theory an Introduction."
25		A. That is correct.

		PUBLIC 24
1	54	Q. Am I right that neither of
2		these books focused on or addressed the
3		determination of optimal antitrust penalties?
4		A. That is correct.
5	55	Q. And we've taken a careful
6		look at all of the publications listed in your
7		CV, and am I correct that to cut through this,
8		none of your journal Articles, your book
9		chapters, your invited papers, your working
10		papers or papers under review, focused on the
11		determination of optimal antitrust penalties?
12		A. That is correct.
13	56	Q. Now if you look at Appendix B
14		to your report first, let me start with
15		paragraph 6 of your report which takes us to
16		Appendix, so in paragraph 6 of your report you
17		state in the last sentence that:
18		"In Appendix B I provide a
19		list of all documents I relied
20		upon in my report."
21		A. Yes, that is correct.
22	57	Q. And I take it that's a fair
23		and accurate statement.
24		A. To the best of my knowledge,
25		yes.

		PUBLIC 25
1	58	Q. Okay, and if we look at
2		Appendix B, which one of my colleagues can
3		pull up. Happy to have you flip through this,
4		if you like. I take it you would agree with
5		me that Appendix B is roughly two and a half
6		pages in length?
7		A. Yeah, about two and a third.
8	59	Q. Okay, and you would accept,
9		would you not, Professor, there is no
10		reference in Appendix B to any of your
11		previous publications?
12		A. That is accurate.
13	60	Q. Now, we can agree, can we
14		not, that none of your previous papers, books,
15		of the matters we've just gone through, focus
16		on Canadian antitrust law, cases or matters?
17		A. That is correct, sir.
18	61	Q. Including, of course,
19		previous decisions of the Competition Tribunal
20		in Canada or the statutory framework within
21		which the Competition Tribunal operates,
22		correct?
23		A. That is correct, sir.
24	62	Q. Now, let me discuss with you
25		briefly your previous experience as an expert

		PUBLIC 26
1		witness.
2		As we've already gone through
3		you've listed in your CV all of the cases in the
4		last four years, that you've testified in as an
5		expert witness, either at trial or by way of
6		deposition?
7		A. That is correct, sir.
8	63	Q. And if you turn up your CV,
9		please, and look at Appendix A at page 41, you
10		will find a title in your CV entitled, "Expert
11		witness experience" and the first part of it
12		is depositions and then the second part on the
13		next page is testimony.
14		A. That is correct.
15	64	Q. As I understand, this list,
16		at least, you've been examined via deposition
17		in, I think, six cases or so in the last four
18		years?
19		A. That sounds about right.
20	65	Q. And if we turn to the next
21		page, page 42, you've also testified at trial
22		in three cases
23		A. That is correct.
24		(overspeaking)
25	66	Q given testimony

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		PUBLIC 27
1		(overspeaking)
2		A. Yes, sir.
3	67	Q. And what I'm interested in is
4		Canada. Am I right that the only Canadian
5		case that you refer to in this portion of your
6		CV is a case called, "Paid Search Engine Tools
7		LLC vs Google Canada Corporation."
8		A. That is correct.
9	68	Q. And am I correct that that
10		was a patent infringement case involving a
11		patent designed to support advertisers in
12		managing their bids for online advertising on
13		paid search engines?
14		A. Yes, that is correct. I
15		supported Google in that case.
16	69	Q. And if we pull up the
17		decision of the trial judge in that case,
18		Justice McDonald, who you appeared before
19		let's pull that up, please.
20		Here you will find a copy of the
21		decision of Justice McDonald, Madam Justice
22		McDonald in Fredricton New Brunswick, issued on
23		January 12th of 2022 in the case that you
24		testified in.
25		A. Yes, I see that.

		PUBLIC 28
1	70	Q. And am I correct you did, in
2		fact, appear before Justice McDonald at trial
3		on this case?
4		A. Yes, I did, sir.
5		MR. THOMSON: Let's mark this as
6		Exhibit 2.
7		EXHIBIT NO. 2: Decision of
8		Justice McDonald in Paid Search
9		Engine Tools, LLC v. Google dated
10		January 12, 2022.
11		BY MR. THOMSON:
12	71	Q. Don't need to spend a lot of
13		time on this, but in a nutshell am I right
14		that Paid Search Engine owned a Canadian
15		patent entitled "Paid Search Engine Bid
16		Management" for an invention described as
17		management of advertising expenses and online
18		media?
19		A. I don't recall the exact words,
20		but those seem in the ballpark to me.
21	72	Q. Look at paragraph 2 of
22		Justice McDonald's decision where Her Honour
23		says:
24		"The plaintiff, Paid Search
25		Engine tools owns Canadian

		PUBLIC 29	
1		Patent No '167 titled 'Paid	
2		Search Engine Bid Management'	
3		for an invention described as	
4		'Management of advertising	
5		expenses in online media'."	
6		I take it you have no reason to	
7		dispute that summary of the case.	
8		A. Not at all.	
9	73	Q. And you are aware that Paid	
10		Engine sued Google for alleging infringing	
11		that patent?	
12		A. Yes.	
13	74	Q. And I believe you just	
14		confirmed you testified in this case as an	
15		expert witness for Google?	
16		A. That is correct.	
17	75	Q. You would accept readily, I	
18		am sure, this case did not involve the	
19		determination of optimal antitrust penalties?	
20		A. That is correct.	
21	76	Q. You are aware, no doubt, that	
22		Google prevailed in this case and the	
23		Plaintiff's action was dismissed.	
24		A. Yes, I do.	
25	77	Q. And are you aware that your	

		PL	JBLIC	30
1		evidence was ac	tually commented on by	Justice
2		McDonald in her	decision?	
3		Α.	Yes, I am.	
4	78	Q.	If you look at paragra	aph 59
5		of the decision	, please, Justice McDon	ald says
6		this:		
7			"Steven Tadelis was	
8		qu	alified as an expert	
9		ec	onomist with expertise	in the
10		ec	onomics of institutions	,
11		ec	onomic analysis for bus	iness
12		de	cisions, including those	е
13		re	lated to digital advert	ising
14		an	d marketing strategies,	
15		CO	ntract theory, strategi	С
16		SO	urcing and pricing, onl	ine
17		au	ctions and pricing	
18		st	ructures. Dr. Tadelis	
19		pr	ovided one report dated	
20		Ар	ril 7, 2021. I have co	ncerns
21		ab	out the objectivity of	his
22		re	port, as it was revealed	d in
23		hi	s oral evidence that a	
24		CO	nsulting firm, Analysis	
25		Gr	oup, was heavily involve	ed in

		PUBLIC 31	
1		the preparation of his report.	
2		He was also selective in the	
3		Google information he relied	
4		upon." [As read.]	
5		So you became aware of those	
6		findings shortly after they were made by Justic	е
7		McDonald, when this decision was rendered in	
8		January of 2022?	
9		A. Yes, that is correct.	
10	79	Q. Okay, am I correct this is	
11		the one and only case you have testified in in	
12		Canada?	
13		A. That is correct, sir.	
14	80	Q. Now, am I correct that having	
15		reviewed your CV in considerable detail that	
16		you are not a lawyer?	
17		A. That is correct, sir.	
18	81	Q. You've never attended at or	
19		graduated from an accredited law school either	
20		in the United States or elsewhere?	
21		A. That is correct.	
22	82	Q. You've never been called to	
23		the bar or admitted to practice law in any	
24		state or federally, correct?	
25		A. No, I have not.	

		PUBLIC 32
1	83	Q. And you would readily agree
2		that you have no legal training or
3		qualifications in Canada?
4		A. That is absolutely correct.
5		Neither in Canada nor elsewhere.
6	84	Q. Now, let me just to reach
7		a consensus on your duties before we move
8		forward, show you the acknowledgment of expert
9		witness duties that you executed when you
10		filed your report in this case on July 4th of
11		2025 and ask you to turn that up or I can ask
12		my colleague to turn it up.
13		It is Appendix C to your report.
14		You will recall that you executed this
15		certificate on July 4th of 2025, the date that
16		you filed your report?
17		A. Yes I do.
18	85	Q. And just to make sure we have
19		a consensus concerning your obligations in
20		this matter as an independent expert, you are
21		aware that in that capacity as an independent
22		expert, you owe duties to the Competition
23		Tribunal itself?
24		A. That is correct.
25	86	Q. Including to assist the

	PUBLIC 3	3
	Tribunal impartially?	
	A. Yes, sir.	
87	Q. Also to confine your evidence	:e
	to matters relevant to your area of expertise	.
	A. That is correct.	
88	Q. And you are no doubt aware,	
	Professor, that your duty to the Tribunal	
	overrides any duty you might owe to the	
	Commissioner of Competition or to the	
	Competition Bureau?	
	A. I am well aware of that, sir	· •
89	Q. And you acknowledge, do you	
	not, that you are required to testify today	
	independently and objectively?	
	A. Yes, I do.	
90	Q. Am I correct this flows	
	from the answers you've given to me about for	ır
	minutes ago, but you've never testified in a	
	proceeding before the Competition Tribunal in	L
	Canada?	
	A. No, I have not.	
91	Q. Am I right that wholly apart	
	from testifying you've never attended a	
	hearing before the Competition Tribunal in	
	Canada?	
	88	Tribunal impartially? A. Yes, sir. Q. Also to confine your evidence to matters relevant to your area of expertises. A. That is correct. Response to the Tribunal overrides any duty you might owe to the Commissioner of Competition or to the Competition Bureau? A. I am well aware of that, sirting Q. And you acknowledge, do you not, that you are required to testify today independently and objectively? A. Yes, I do. Q. Am I correct this flows from the answers you've given to me about four minutes ago, but you've never testified in a proceeding before the Competition Tribunal in Canada? A. No, I have not. Q. Am I right that wholly apart from testifying you've never attended a hearing before the Competition Tribunal in

		PUBLIC 3	4
1		A. That is correct, sir.	
2	92	Q. And to test your knowledge	
3		just a little bit about the Tribunal, if I	
4		were to ask you to name the current members o	of
5		the Tribunal, could you do so?	
6		A. No, I would not be able to d	lo
7		so.	
8	93	Q. Could you at least identify	
9		for me the current Chair of the Tribunal?	
10		A. That's the kind of informati	.on
11		that I typically do not retain, even if I rea	ıd
12		it so, no, I am not able to offer any names.	
13	94	Q. You would acknowledge, would	l
14		you not, that there is no reference to any	
15		decision of the Competition Tribunal in	
16		Appendix B to your report on the materials	
17		relied upon?	
18		A. Sitting here right now I do	not
19		recall having such a reference.	
20	95	Q. Now I'm just going to test	
21		your knowledge about the Tribunal a little	
22		bit. This will just take me a moment, but	
23		let's talk about this particular case, just	
24		for about ten seconds.	
25		A. Sure.	

		PUBLIC	35
1	96	Q. Am I right in assuming that	:
2		you can't tell me how many members of the	
3		Competition Tribunal will preside over this	
4		case when it reaches the stage of a merits	
5		hearing?	
6		A. Sitting here right now I do	not
7		have a recollection of the number of members	of
8		the Tribunal that will be sitting in on	
9		decisions for this case.	
10	97	Q. And can you tell us what	
11		members of the Competition Tribunal have bee	n
12		assigned to preside over this case when it	
13		reaches the stage of a merits hearing; do yo	ou
14		know?	
15		A. As I mentioned earlier, sir	:, I
16		do not retain information, such as the names	of
17		members of the Tribunal who would be sitting	, in
18		on this case.	
19	98	Q. Can you tell us what previo	us
20		cases any of those members have decided unde	er
21		the Abuse of Dominance provisions of the Act	?
22		A. Like I mentioned earlier, s	ir,
23		that's not the kind of information that I tr	y to
24		retain, as part of my preparation for this	
25		cross-examination.	

		PUBLIC	36
1	99	Q. Do you know where the	
2		Competition Tribunal sits when it conducts	
3		merits hearings?	
4		MR. GAY: Mr. Thomson, I've, y	70u
5		know, I've let the questioning go for quite	e some
6		time now on the Tribunal, and I'm quite hap	ppy to
7		give you as much latitude as you need, but,	
8		frankly, I just don't see the relevance of	this
9		at all, like at all, so perhaps you can exp	olain
10		it, otherwise I'm just going to begin to	
11		instruct the witness to not answer these	
12		questions because I just don't see them be	ing,
13		in any way, helpful to anyone.	
14		MR. THOMSON: Well, Alex, you	have
15		done this for a long time. You are entitle	ed to
16		object and you are also, therefore, entitle	ed to
17		suffer the consequences of your objection s	so I
18		can't force a witness to answer you are	
19		objecting to. We'll just have to deal with	ı it
20		in front of the Tribunal when we get that f	ār.
21		Professor, dealing with your	
22		knowledge of the way the Tribunal functions	s and
23		the approach that it might take, as this ca	ase
24		moves forward, are you able to give me a fu	ıll
25		list of every decision of the Competition	

		PUBLIC 37
1		Tribunal you have read?
2		A. No, I am not able to give you a
3		list of the decisions of the Tribunal that I've
4		read. Sitting here right now I recall going
5		over some materials. I'm not even sure they
6		included decisions of the Tribunal, but they may
7		have.
8		Any materials that are not listed
9		in my report that I may have seen and realize
10		they are not of help in writing my report,
11		I definitely wouldn't remember them.
12		Many of the papers or materials
13		in my report at the time I read them and
14		incorporated them, and some I may remember
15		better now; others less so.
16		BY MR. THOMSON:
17	100	Q. Can you tell me what
18		sanctions the Competition Tribunal has imposed
19		in previous abuse of dominance cases?
20		A. Sitting here right now, I
21		cannot offer that kind of information.
22	101	Q. Now, am I correct that you
23		are not aware not aware of any guidance
24		that's been published by the Competition
25		Tribunal in Canada concerning the approach

		PUBLIC 38
1		that it takes or is required to take in
2		determining sanctions?
3		A. Sitting here right now I cannot
4		remember whether I've seen such guidance.
5		I do know that I looked carefully
6		at I remember the numbers, it's Section 79
7		of the Competition Act. Guidance beyond that,
8		sitting here right now, I do not recall.
9	102	Q. Okay, let me turn to my
10		second topic, which is the the
11		determination of optimal antitrust penalties.
12		Am I correct that one of the
13		approaches that you discuss in your report in
14		determining optimal antitrust penalties is
15		called something like the "internalization
16		approach"?
17		A. That is correct.
18	103	Q. And if you look at your
19		report, just to show you one example there
20		are dozens in the report, but if we look just
21		one quick example, and look at your report on
22		page 13, just above paragraph 17 you will see
23		a heading number 2.
24		A. Yes, I see that.
25	104	Q. (Reading):

		PUBLIC	39
1		"Professor Hylton's	
2		reliance on the internalizat	cion
3		approach is misguided." [As	
4		read.]	
5		So that's one example of us:	ing that
6		phrase "The internalization approach"?	
7		A. That is one such example	e, sir.
8	105	Q. Okay, and one of the pap	pers
9		that you reviewed in compiling your report	rt was
10		written by two professors: one named John	ı
11		Connor and another one named Robert Lande	2 .
12		A. That rings a bell, sir.	
13	106	Q. If you look at your repo	ort at
14		paragraph 43, you are talking about the	
15		detection of price fixing cartels, and it	- 's
16		the second sentence in paragraph 43 where	e you
17		say:	
18		"For example, Connor and	f
19		Lande estimate that the	
20		conviction rate for cartels	is
21		about 80 per cent."	
22		And then you have a footnote	e 54,
23		and if you scroll down to footnote 54, yo	ou will
24		find a reference:	
25		"John M. Connor and Robe	ert

		PUBLIC 40
1		H. Lande Cartels as Rational
2		Business Strategy: Crime Pays,"
3		And the paper was published in the
4		Cardozo Law Review in 2012.
5		A. Yes, I see that reference.
6	107	Q. Thank you. Can you pull up,
7		please, the paper by Connor and Lande.
8		So my colleagues just pulled up a
9		paper by Professors Connor and Lande entitled
10		"Cartels as Rational Business Strategy: Crime
11		Pays."
12		Is this the paper you referred to
13		in footnote 54 of your report?
14		A. This does, indeed, look like
15		the paper I'm referring to.
16		MR. THOMSON: Let's mark that then
17		as the next exhibit. So what is the exhibit
18		number? This will be Exhibit 3.
19		EXHIBIT NO. 3: Article
20		entitled 'Cartels as Rational
21		Business Strategy: Crime Pays'
22		authored by John M. Connor and
23		Robert H. Lande
24		BY MR. THOMSON:
25	108	Q. And you will see at the very

		PUBLIC 41
1		top, the top right-hand corner of the report,
2		you will see the paper was published in
3		November of 2012.
4		A. That's the date I see on this
5		document.
6	109	Q. As you say in your footnote
7		this is something that was published in the
8		Cardozo Law Review.
9		A. That is where it apparently
10		seems to be published, yes.
11	110	Q. Thank you. And if we pull up
12		just an extract from the website of that law
13		review, my colleague will pull up you will see
14		this is from the website of something called
15		Cardozo Law Review and it describes itself as
16		being established since 1979, and says it
17		consistently ranks among the top law journals
18		in the country.
19		A. I see that, sir.
20	111	Q. You have no reason to dispute
21		that description of the Cardozo Law Review?
22		A. I have no reason to dispute or
23		undispute it; it's what they claim.
24	112	Q. Okay, let's mark that extract
25		as the next exhibit. Exhibit 4.

		PUBLIC 42	
1		EXHIBIT NO. 4: Cardozo Law	
2		Review extract	
3		BY MR. THOMSON:	
4	113	Q. Let's start briefly with the	
5		authors of this report. So let's start with	
6		John Connor.	
7		If we go back to the Article now,	
8		you will see the authors are described in the	
9		footnote at the bottom of the first page, page	
10		427 of the paper.	
11		A. Yes, I see the footnote.	
12	114	Q. And with respect to John	
13		Connor, Professor Connor was a Professor	
14		Emeritus at Purdue University?	
15		A. I see that, sir.	
16	115	Q. And just to give a little bit	
17		more detail about Professor Connor, if we look	
18		at his profile on Purdue's website do you	
19		know Mr. Connor?	
20		A. No, I do not know Mr. Connor,	
21		personally.	
22	116	Q. And you will see this is a	
23		description of him, born in 1943 and describes	
24		him as since 1983 a Professor of Industrial	
25		Economics at Purdue University's Department of	

PUBLIC 43 Agricultural Economics, holds a Bachelors 1 2. Degree in mathematics from Boston College, an MA from the University of Florida, and Ph.D 3 4 from the University of Wisconsin..." and so on. And then the next paragraph goes on 6 7 to say he specializes in research and teaching in empirical industrial economics and antitrust 9 policy. It says, bottom of that paragraph, 10 for the past 15 years the focus of his research 11 12 has been international price fixing cartels and 13 worldwide antitrust enforcement. Then it says he's the author of 19 books and monographs and 14 15 more than 600 other scholarly publications in economics and the law and so on. 16 17 You will see at the bottom of the 18 page the profile describes him as a senior advisor to something called the America 19 Antitrust Institute. 2.0 It says he consults with government 2.1 antitrust authorities and law firms and cartel 22 2.3 cases. 24 Are you familiar with the American Antitrust Institute? 25

		PUBLIC 44	Ę
1		A. I have personally not had any	У
2		dealings with them. It's a term I've seen	
3		before. I do not know sitting here right	now
4		I cannot recall what their function is and what	at
5		they represent.	
6	117	Q. Okay. Thank you. Let's mark	k
7		this profile of Mr. Connor or Professor	
8		Connor, rather, as Exhibit 5.	
9		EXHIBIT NO. 5: Profile of	
10		Professor John M. Connor	
11		BY MR. THOMSON:	
12	118	Q. Robert Lande, the other	
13		author of the paper, if you can now go back to	Э
14		the paper, which will be pulled up. Again,	
15		the bottom of the first page, describes	
16		Professor Lande as something called the	
17		Venable Professor of Law at the University of	
18		Baltimore School of Law; do you see that?	
19		A. I see that.	
20	119	Q. And also describes Professor	
21		Lande as a Director of the American Antitrust	
22		Institute?	
23		A. Yes, I see that.	
24	120	Q. And with respect to that	
25		institute, just to try to reach a quick	

		Р	UBLIC	45
1		consensus on th	nat, if we look at it's	it
2		is an extract f	from its website which my	
3		colleague has p	oulled up on the screen, you	
4		will see it des	scribes itself under the head:	ing
5		as:		
6			" an independent	
7		nc	onprofit organization devoted	
8		to	promoting competition that	
9		pı	rotects consumers, businesses,	,
10		ar	nd society."	
11		It	says:	
12			"We serve the public	
13		tl	nrough research, education,	
14		ar	nd advocacy on the benefits of	Ē
15		CC	ompetition and the use of	
16		ar	ntitrust enforcement as a	
17		vi	ital component of national and	i
18		ir	nternational competition	
19		ро	olicy."	
20		Α.	. Yes, I read that, sir.	
21	121	Q.	. No reason to disagree with	
22		that description	on of the America Antitrust	
23		Institute?		
24		Α.	. I have no basis to disagree	9
25		with anything t	they write about themselves.	

		PUBLIC 46	5
1		MR. THOMSON: Okay, let's mark th	hat
2		as the next exhibit, exhibit 6.	
3		EXHIBIT NO. 6: American	
4		Antitrust Institute webpage	
5		entitled "Mission and History"	
6		BY MR. THOMSON:	
7	122	Q. Now, with respect to	
8		Professor Lande, we have to be a little	
9		careful here. You are aware of another	
10		Professor named Landes?	
11		A. Oh, yes, he's a I think he	e's
12		cited heavily in Dr. Hylton's report.	
13	123	Q. Yes. So I'm talking about	
14		Lande, not Landes. Just to be clear.	
15		A. I understand.	
16	124	Q. So, with respect to Lande,	
17		Professor Lande, if we look at his bio we	
18		found a bio of Professor Lande in the archives	s
19		U.S. Department of Justice.	
20		It's a bit more descriptive of h	im
21		than the paper itself and describes him as the	e:
22		"Venable Professor of Law	
23		at the University of Baltimore	
24		School of Law, and also is a	
25		co-founder and Director of the	

	PUBLIC 47
1	American Antitrust Institute."
2	It says:
3	"He formerly worked at
4	Jones, Day, Reavis and Pogue
5	and at the Federal Trade
6	Commission. He has authored or
7	co-authored more than 60 U.S.
8	and nine foreign publications,
9	including Articles in the
10	California Law Journal, Journal
11	of Law and Economics, Duke Law
12	Journal, the Georgetown Law
13	Journal. Seven of his Articles
14	have been published in books or
15	collections of Articles."
16	And we see this was updated in
17	January 3 of 2024 at the bottom of that page.
18	Again, you have no reason to
19	disagree with this description of Professor
20	Lande.
21	A. I have no basis on which to
22	disagree with anything that's written here.
23	MR. THOMSON: Okay, let's mark that
24	as the next exhibit.
25	EXHIBIT NO. 7: Robert H. Lande.

			PUBLIC	48
1			Biography	
2			BY MR. THOMSON:	
3	125		Q. Is it fair to say this, tha	at .
4		you obviously	regarded this paper by	
5		Professors O'	Connor and Lande as a	
6		sufficiently	credible and authoritative sour	ce
7		to cite it in	your report?	
8			A. I looked for any information	on I
9		could find on	a variety of studies that look	c at
10		detection and	enforcement rates. This is or	ne of
11		the papers th	at came up.	
12			Given the fact that it is	
13		published in	a Law Review, I viewed it as a	
14		useful piece	of information.	
15	126		Q. Let me now introduce you to)
16		Professor Lan	des, Professor William Landes a	and
17		see if we can	reach a consensus on him.	
18			So turn up, please, page 431 of	=
19		this paper by	Connor and Lande.	
20			You will see a heading on the t	op
21		of the page.	Heading number 1 is "Optimal	
22		deterrence: I	ndividual vs. Corporate	
23		Perspectives"	•	
24			And then the heading below that	is
25		"Overall Fram	ework for Analysis"?	

			PUBLIC	49
1		I	A. Yes, I see that.	
2	127	ζ	Q. And it goes on to say:	
3			"The generally accepted	
4		C	overall approach to the optima	1
5		C	deterrence of antitrust	
6		7	violations was developed by	
7		I	Professor William Landes."	
8		ר	That's why I referred to him	
9		earlier.		
10		I	A. I see that.	
11	128	Ç	Q. I just want to talk about l	him
12		for a moment.		
13		V	Were you aware that Professor	
14		Landes is one	the co-founders of a firm cal	led
15		Compass Lexeco	on?	
16		I	A. I was not aware of that.	
17	129	Ç	Q. So if we look at the	
18		description of	f Professor Landes on the webs	ite
19		of Compass Lex	xecon, which my colleague will	
20		pull up, you w	will see the scroll down,	
21		please scro	oll up. I just want to see the	е
22		top of the pag	ge. There.	
23		7	You will see this an extract f	rom
24		the website of	f Compass Lexecon at the top	
25		left-hand corr	ner, and the description of Wi	lliam

	PUBLIC 50	
1	Landes describes him as:	
2	"Co-Founder.	
3	PhD in Economics, Columbia	
4	University."	
5	And then describes him as the	
6	Clifton R Musser Professor of Law and Economics	
7	at The Law School of the University of Chicago.	
8	It says:	
9	"Prior to joining the	
10	University of Chicago Law	
11	School, he taught in the	
12	Economics Departments of	
13	Stanford University, the	
14	University of Chicago, Columbia	
15	University, and the Graduate	
16	Center of the City University	
17	of New York and Fellow of the	
18	American Academy of Arts and	
19	Sciences. Landes is an expert	
20	in the application of economics	
21	and econometrics to legal	
22	problems including intellectual	
23	property, torts and antitrust	
24	and has written widely in these	
25	fields."	

		PUBLIC	51
1		Again, no basis to disagree wi	th
2		that description of Professor Landes on the	
3		website of Compass Lexecon.	
4		A. I understand Compass Lexec	on to
5		be one of the premier shops that support ex	pert
6		witnesses and I could see their incentive i	n
7		making sure that potential clients see the	
8		gravitas of people who work with or for the	m,
9		including co-founders such as William Lande	s.
10		So I would assume that this is all accurate	and
11		verifiable.	
12		MR. THOMSON: Thank you.	
13		Let's mark that as the next	
14		exhibit. Exhibit 8. 9?	
15		COURT REPORTER: I have 8.	
16		MR. THOMSON: Anyway, let's so	rt
17		that out a bit later, we'll be able to go	
18		through the transcript and see.	
19		Thank you.	
20		EXHIBIT NO. 8: Extracts f	rom
21		Compass Lexecon website	
22		BY MR. THOMSON:	
23	130	Q. And with respect to Compas	S
24		Lexecon, just so we have it, you've already	
25		confirmed this a moment ago, but just so we	

		PUBLIC	52
1		have it, pull up, please, just the extract	
2		from the website of Compass Lexecon itself.	
3		This is just an extract, but	
4		Compass Lexecon describes itself as having	been
5		established in 1977 and that it has "grown	to
6		become a globally pre-eminent economic	
7		consulting firm."	
8		A. I see that.	
9	131	Q. And in terms of statistics	
10		you will see, the next page, over 700	
11		employees, 25 offices in four continents, 1	70
12		plus PhDs, two Nobel Prize winners, and,	
13		again, I take it you have no basis to disag	ree
14		with any of that?	
15		A. Do you know when this was	
16		published, because I do know oh, 7/23, t	hen
17		if it reflects the recent exodus of some of	
18		their most senior partners and several of t	heir
19		employees, if that reflects that recent exo	dus,
20		I have no reason to dispute these numbers.	
21	132	Q. You referring to Dr. Mark	
22		Israel, correct	
23		(overspeaking)	
24		A. My understanding that seve	ral
25		of their leading experts, Mark Israel may b	е

		PUBLIC 53	3
1		one, there was another famous guy within this	
2		area. I'm blanking on his name. His brother	, I
3		believe was in the Obama administration, John	
4		something, I'm sorry, I'm blanking on his	
5		last name, was the architect of that departur	e.
6		They founded a new company calle	d
7		Econic and I believe that was a few months	
8		ago. I was made aware just through lunch	
9		conversations with other antitrust experts	
10		that it was quite a shake up for Compass	
11		Lexecon, but I don't know quite where the dus	t
12		settled.	
13		So assuming that 7/23/25 takes	
14		into account those recent departures, I have	
15		no reason to dispute any of the numbers that	
16		you've shown me.	
17	133	Q. Thank you.	
18		Now, let's talk about Professor	
19		Landes sorry, the other gentleman referred	to
20		in the document we looked at a moment ago, wh	ich
21		is Professor Becker.	
22		Are you familiar with a prominen	.t
23		economist named Gary Becker?	
24		A. Deceased prominent economist	,
25		Nobel Laureate	

		PUBLIC 5	4
1	134	Q. Yes.	
2		A Gary Becker, yes, very	
3		familiar with his work.	
4	135	Q. I'm sorry, I didn't mean to	
5		interrupt you.	
6		Go ahead, can you say it again?	
7		A. Prominent deceased former No	bel
8		Laureate, Gary Becker, very prominent economi	st,
9		I am well aware of his work.	
10	136	Q. Okay, and if we look at	
11		Dr. Becker's profile which my colleague will	
12		pull up, this is from something called Chicag	10
13		Booth but you are quite right in describing	
14		Dr. Becker as a Nobel Laureate. It says that	
15		he:	
16		"won the 1992 Nobel	
17		Prize in Economic Sciences for	
18		having extended the domain of	
19		microeconomic analysis to a	
20		wide range of human behavior	
21		and interaction, including	
22		nonmarket behavior."	
23		It describes his role at Princet	on
24		and other universities over the years.	
25		He was certainly one of the most	:

	PUBLIC 55
1	prominent economists in the United States in the
2	last, call it 50 years; is that fair to say?
3	A. That would be a fair statement.
4	MR. THOMSON: Okay, let's mark that
5	profile as the next exhibit.
6	Thank you.
7	EXHIBIT NO. 9: Chicago Booth
8	Profile of Gary Becker
9	BY MR. THOMPSON:
10	Q. Turn to the second page of
11	that profile. At the bottom of the page there
12	is a paragraph that starts with the words
13	"Becker taught at":
14	"Becker taught at the
15	University of Chicago from 1954
16	until 1957, when he joined the
17	faculty at Columbia University
18	and the National Bureau of
19	Economic Research. He returned
20	to the University of Chicago in
21	1970 and spent the rest of his
22	career here, joining the
23	Chicago Booth faculty in 2002."
24	Again, any reason to dispute that
25	description of his career?

		PUBLIC 56
1		A. No reason to dispute it.
2	138	Q. Thank you.
3		Now, in your report you quoted from
4		a prior publication of Professor Hylton.
5		It was entitled "Antitrust
6		Enforcement Regimes: Fundamental Differences."
7		And if you'd like to see the
8		reference, it is in your report at paragraph 17.
9		A. Yes, I see that, sir.
10	139	Q. And you describe that paper
11		in summary as Hylton 2015.
12		A. I believe that's correct.
13	140	Q. And am I right that you cited
14		to that paper multiple times in your report.
15		If you want to see several references just to
16		prove the point.
17		If we look at footnote 12, two
18		lines from the bottom of the page you refer to
19		Hylton 2015?
20		A. Yes, I see that.
21	141	Q. And then in footnote 13
22		again, top of that footnote, second line you
23		refer to Hylton 2015?
24		A. Yes, I see that too.
25	142	Q. And again in footnote 16, the

		PUBLIC 57
1		first reference is Hylton 2015?
2		A. Yes, I see that, sir.
3	143	Q. And then in footnote 18, the
4		first reference is Hylton 2015?
5		A. Yes, I see that as well.
6	144	Q. And then the first reference
7		in footnote 19 is also Hylton 2015?
8		A. Yes, that is correct, sir.
9	145	Q. So let me pull up, if I may,
10		I believe to be that paper.
11		And we have pulled up on the screen
12		a paper entitled "Antitrust Enforcement Regimes:
13		fundamental Differences" by Keith N Hylton at
14		the Boston University School of Law in 2015.
15		A. Yes, I see that.
16	146	Q. Is this the paper you refer
17		to in your report?
18		A. It appears to be.
19		MR. THOMSON: Right, can we mark
20		that, please, as the next exhibit.
21		EXHIBIT NO. 10: Article by
22		Keith N. Hylton, 2015
23		Entitled "Antitrust Enforcement
24		Regimes: Fundamental
25		Differences."

		PUBLIC	58				
1		BY MR. THOMSON:					
2	147	Q. And I take it you obviousl	У				
3		reviewed Professor Hylton's 2015 paper quit	.e				
4		carefully before you cited it in your repor	`t				
5		on multiple occasions?					
6		A. In the best of my ability,	yes,				
7		that's what I did.					
8	148	Q. And if you look, please, a	.t				
9		the top of page 5 of the report, there is a					
10		heading "Optimal Enforcement Policy"; do you					
11		see that?					
12		A. Yes.					
13	149	Q. And here Professor Hylton					
14		says this:					
15		"The theory of optimal					
16		antitrust enforcement is					
17		traceable to Gary Becker's					
18		Article on the economics of					
19		punishment (Becker 1968)."					
20		So it is an Article					
21		published by Professor Becker					
22		in 1968. Do you see that?					
23		A. Yes, I do, sir.					
24	150	Q. And then he says:					
25		"Becker argued that an					
	150	_					

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	PUBLIC 59
1	efficient system of punishment
2	would seek to internalize the
3	social costs associated with
4	offensive conduct.
5	Internalization is accomplished
6	by shifting the costs suffered
7	by victim to the offender in
8	the form of a penalty. Becker
9	considered the implications of
10	his argument for antitrust,
11	arguing that the social costs
12	arising from antitrust
13	violations should be
14	internalized by those engaging
15	in anticompetitive conduct"
16	And then he goes on to say,
17	this:
18	"Later, Landes (1983)
19	provided a more detailed
20	application of Becker's
21	analysis to antitrust. In the
22	antitrust context,
23	internalization requires the
24	punishment authority to shift
25	the costs suffered by

			PUBLIC	60
1			consumers, in terms of	
2			monopolistic overcharges or	
3			restrictions in supply, to the	
4			monopolizing firm in the form	
5			of a penalty."	
6			I just wanted to show you	
7			briefly, if I may, those two	
8			papers, the papers referred to	
9			by Professor Hylton in this	
10			portion of his 2015 paper, that	t
11			is the Gary Becker article from	n
12			1968 and the Landes Article	
13			from 1983.	
14			Let me start, if I may, with the	ne
15	В	ecker Articl	e from 1968 and pull that up.	
16			Go to the next page,	
17			please.	
18			So here we find an Article ent	itled
19	" (Crime and Pu	nishment: An Economic approach	" by
20	G	ary S. Becke	r?	
21			A. Yes, I see that.	
22	151		Q. So this would be the 1968	
23	A:	rticle that	Professor Hylton is referring	to
24	iı	n that parag	raph we just read together?	
25			A. Yes, that would be the 1968	8

		PUBLIC	61
1		paper.	
2		MR. THOMSON: Let's, then, r	mark
3		that as the next exhibit, please.	
4		COURT REPORTER: Exhibit 117	?
5		MR. THOMSON: Yes, that's co	orrect,
6		thank you.	
7		EXHIBIT NO. 11: Article	е
8		entitled "Crime and Punishme	ent:
9		An Economic Approach"	
10		Authored by Gary S. Becker	
11		BY MR. THOMSON:	
12	152	Q. And Professor, are you	
13		familiar with this Article?	
14		A. Yes, I am, sir.	
15	153	Q. You would confirm that y	you
16		made no mention of this Article in your	
17		report?	
18		A. That is correct.	
19	154	Q. And let's now turn to the	ne
20		Landes Article, and you will find that	- my
21		colleague will pull that up.	
22		So here's a 1983 Article by	William
23		M. Landes entitled "Optimal Sanctions for	r
24		Antitrust Violations."	
25		This will be second paper re	eferred

		PUBLIC 62
1		to by Professor Hylton in that portion of his
2		paper from 2015?
3		A. I believe that to be correct,
4		sir.
5		MR. THOMSON: Okay. Let's mark
6		this as the next exhibit.
7		That's Exhibit 12.
8		EXHIBIT NO. 12: Article
9		entitled 'Optimal Sanctions for
10		Antitrust Violations' authored by
11		William M. Landes
12		BY MR. THOMSON:
13	155	Q. Are you also familiar with
14		this Article?
15		A. Yes, I am familiar with it.
16		Not as much as I am with the
17		Becker Article, but yes, I have scanned this
18		Article, as well.
19	156	Q. Do you confirm that there is
20		no reference to this Article in your report?
21		A. That is correct.
22	157	Q. Now, with respect to the
23		Landes Article, you can see the date of
24		publication is just above the title, 1983?
25		A. Yes, I see that, sir.

		PUBLIC 63
1	158	Q. So it was published some 40
2		years ago?
3		A. That is correct, sir.
4	159	Q. And we can agree, can we not,
5		Professor, that this paper has been studied,
6		it's been written about, it has been commented
7		on repeatedly in the period since it was
8		published in 1983?
9		A. That would be a fair
10		description.
11	160	Q. And if we look at just one of
12		the building blocks for his analysis, just to
13		put this one to you, if I may.
14		Turn to page 653.
15		Just the sentence at the top of the
16		page that starts with the words "More
17		surprisingly", where Professor Landes says:
18		"More surprisingly, Becker
19		[that's the 1968 Article]
20		Becker also showed that even if
21		enforcement costs are zero, it
22		is still not desirable to deter
23		all violations because some
24		offences where the gain to
25		the offender exceeds the harm

			PUBLIC	64
1			to the victim are efficient	
2			The concept of an efficient	
3			violation is the key to	
4			determining the optimal	
5			antitrust penalty."	
6			Do you see that?	
7			A. Yes, I do see that.	
8	161		Q. Would you concede, Professo	or,
9		as a neutral	independent expert, that the	
10		issue of what	does or does not constitute an	n
11		optimal antit	rust penalty has been debated b	эу
12		economists an	d others for decades?	
13			A. Yes, that would be accurate	€.
14	162		Q. And this paper, to put this	3
15		in context in	your career, this paper was	
16		published by	Professor Landes some 14 years	or
17		so ago before	you obtained your PhD in	
18		economics in	1997?	
19			A. That is correct.	
20	163		Q. We can agree, can we not,	
21		that one of t	he theories underlying this	
22		so-called int	ernalization approach is that :	in
23		the field of	antitrust, regulated activities	3
24		can sometimes	produce harmful effects and	
25		sometimes als	o produce beneficial effects?	

		PUBLIC	65
1		A. That is correct. That's th	ne
2		motivation behind section 2, to the best my	
3		interpretation, not being a legal scholar.	
4	164	Q. And if we pick one obvious	
5		and notorious example that has been written	
6		about again and again in works in the area,	
7		just to try to reach a consensus on one	
8		element, let's talk about exclusive dealing	
9		arrangements.	
10		A. That's a classic one.	
11	165	Q. And you would agree, would	
12		you not, that exclusive dealing arrangements	3
13		can be beneficial to both parties to the	
14		arrangements even if they make it more	
15		difficult for a third party to compete?	
16		A. And that is precisely the	
17		reason that we have what we typically refer	to
18		as the merit stage of any antitrust case.	
19		It is in the merit stage that	
20		both sides are going to try to show one side	€,
21		say the plaintiff, that there was harm that	
22		outweighed any benefits. The defendant will	L
23		then attempt to show that there were benefit	S
24		that are pro-competitive.	
25		Typically that is done by looks	ing
	I		

		PUBLIC	66
1		at what we call the conduct at issue and	
2		compare it to a but for world where that	
3		conduct does not happen.	
4		Then at the merit stage, judgm	ent
5		is made to see whether the so-called	
6		pro-competitive benefits, if they are	
7		established, outweigh the harm, if it's	
8		established. If that happens then the case	is
9		basically dismissed on the fact that the	
10		pro-competitive benefits outweigh the harm.	
11		If the opposite is true, then	
12		some form of either penalty or, you know, a	
13		cease of the alleged anticompetitive conduc	:t
14		is required and so on. That is all what	
15		happens in the merits phase.	
16		After the merits phase is	
17		determined, that's when penalties, if	
18		appropriate, are to be determined.	
19		So, yes, I very much agree tha	.t
20		exclusive dealing is a great example where	
21		there may be pro-competitive benefits, there	e
22		may be anticompetitive harm, those need to	be
23		weighed against each other and then a	
24		determination needs to be made.	
25	166	Q. Now, would you agree with	me,

		PUBLIC	67
1		Professor, that there is an important	
2		distinction between the existence of a	
3		monopoly, on the one hand, and monopolizati	on
4		on the other?	
5		Those are two different things	;
6		correct?	
7		A. Absolutely. The existence	of
8		monopoly just describes a situation where a	
9		firm, for example, has significant market p	ower.
10		Monopolization is typically used to refer t	0
11		conduct that is allegedly anticompetitive a	nd
12		that causes some harm to competition	
13		(overspeaking)	
14	167	Q. In Canadian terms in	
15		Canadian terms will you agree that there is	an
16		important distinction between the existence	of
17		a dominant position on the one hand and an	
18		abuse of a dominant position on the other?	
19		A. Absolutely. Again, the	
20		existence of a dominant position describes	a
21		situation where a firm is dominant or has m	arket
22		power. Abusing that dominant position woul	d be
23		to engage in conduct that reinforces or sus	tains
24		that dominance in ways that are anticompeti	tive.
25	168	Q. So subject to the caveat	

		PUBLIC	68
1		that, of course, you are not a lawyer and	
2		certainly not a Canadian lawyer, I'm just	
3		trying to test your understanding for the	
4		moment, can we agree that, at least in Canad	la,
5		simply being a dominant firm or even a	
6		monopoly does not, in and of itself, engage	
7		the abuse of dominance provisions of the	
8		Competition Act?	
9		A. That is my understanding bo	oth
10		of the Canadian law and of the U.S. law, yes	ð.
11	169	Q. Okay. And let me show you	a
12		document that I believe will assist us in	
13		reaching a consensus on several points and	
14		then I'll move forward, and that is the	
15		Competition Bureau's abuse of dominance	
16		guidelines.	
17		So let's pull those up, please.	•
18		I've asked my colleague to pull	l up
19		on the screen guidelines issued by the	
20		Competition Bureau called "Abuse of Dominano	ce
21		Enforcement Guidelines "	
22		A. Mm-hmm.	
23	170	Q. And you will see the date i	İs
24		March 7 of 2019?	
25		A. I see this.	

		PUBLIC 69
1	171	Q. We can agree that these
2		guidelines are not listed in Appendix B to
3		your report?
4		A. To the best of my recollection,
5		they are not.
6	172	Q. Okay. Did you review these
7		guidelines before you finalized and delivered
8		your report?
9		A. I may have. Sitting here right
10		now, I don't quite recall. I looked at many
11		documents.
12		MR. THOMSON: Let's mark these
13		guidelines as the next exhibit.
14		This is Exhibit 13.
15		EXHIBIT NO. 13: Abuse of
16		Dominance Enforcement Guidelines,
17		March 7, 2019
18		BY MR. THOMSON:
19	173	Q. Are you aware that when the
20		Competition Bureau enforces the abuse of
21		dominance provisions, and as you said a moment
22		ago, section 79 of the Competition Act, one of
23		its significant considerations is to avoid
24		chilling or deterring pro-competitive or
25		efficiency-enhancing conduct.

		PUBLIC	70
1		A. Yes, I'm aware of that.	
2	174	Q. And if we look at these	
3		guidelines, you will see they say exactly	
4		that.	
5		So pull up, please, page 7 of	the
6		guidelines, where the guidelines say at	
7		paragraph ix:	
8		"When enforcing section 7	79,
9		a significant consideration f	for
10		the Bureau is to avoid chilli	ing
11		or deterring pro-competitive	or
12		efficiency-enhancing conduct.	
13		The Bureau recognizes that it	-
14		is often challenging to	
15		distinguish anti-competitive	
16		conduct from aggressive	
17		competition on the merits, as	5
18		in many cases the goal of	
19		aggressive competition is to	
20		marginalize rivals or elimina	ate
21		them from a market. The Bure	eau
22		recognizes that firms may	
23		acquire a dominant position k	ьÀ
24		simply out-competing their	
25		rivals, for example, by	

		PUBLIC 71
1		offering higher quality
2		products to consumers at a
3		lower price. In these cases,
4		sanctioning firms for simply
5		being dominant, would undermine
6		incentives to innovative,
7		outperform rivals and engage in
8		vigorous competition. Such
9		vigorous competition is the
10		sort of competitive dynamic
11		that the Act is designed to
12		preserve and, where possible,
13		enhance, as it ultimately leads
14		to a more efficient allocation
15		of resources."
16		And I take it you are not
17		surprised to see this paragraph
18		in these guidelines?
19		A. Not at all, sir.
20	175	Q. This approach taken by the
21		Competition Bureau is consistent with the
22		approach taken by antitrust authorities in the
23		United States, is it not?
24		A. That is correct, sir.
25	176	Q. Okay.

		PUBLIC 72
1		Now, let me show you another set of
2		guidelines of the Bureau concerning something
3		called big data.
4		And I've just pulled up on the
5		screen, or my colleague has, a set of
6		guidelines. You will see the competition
7		scroll down a bit, please.
8		No, the other way. Keep scrolling.
9		There.
10		These are guidelines issued by the
11		Competition Bureau in Canada?
12		A. I see that, sir.
13	177	Q. And if you now scroll down,
14		you will see the title of this document is
15		"Big data and innovation: key themes for
16		competition policy in Canada."
17		A. Yes, I see that, sir.
18	178	Q. You would agree with me that
19		there is no reference to this set of
20		guidelines in your report?
21		A. I don't believe I referenced
22		this in my report.
23	179	Q. Were you familiar with this
24		document, these guidelines before I showed
25		them to you today?

		PUBLIC 73
1		A. I do not recall seeing these
2		guidelines before.
3		MR. THOMSON: Okay, let's mark this
4		as the next exhibit, please.
5		EXHIBIT NO. 14: Competition
6		Bureau Canada. Document entitled
7		"Big data and innovation: key
8		themes for competition policy in
9		Canada."
10		BY MR. THOMSON:
11	180	Q. Let me show you one passage
12		from this set of guidelines, if I may.
13		First of all, in terms of the date,
14		you will see it's on the second page of the
15		guidelines, February 19, 2018?
16		A. Yes, I see that, sir.
17	181	Q. You see that date. Just to
18		situate you in time, and the part I'm
19		interested in for the moment is the bottom of
20		page 4 under the heading "Guiding analytical
21		principles remain are valid", where the Bureau
22		says this:
23		"The key principles of
24		competition law enforcement
25		remain valid in big data

	PUBLIC 74
1	investigations. Specifically,
2	proper enforcement must strike
3	the right balance between
4	taking steps to prevent
5	behaviour that truly harms
6	competition and over
7	enforcement that chills
8	innovation and dynamic
9	competition. Equally
10	important, competition law and
11	policy should continue to rely
12	on market forces to lead to
13	beneficial outcomes, not
14	regulate prices or other
15	outcomes. Enforcers should
16	not, for example, condemn firms
17	merely because they are 'big'
18	or possess valuable big data.
19	Companies that achieve a
20	leading market position even
21	a dominant one by virtue of
22	their own investment,
23	ingenuity, and competitive
24	performance should not been
25	penalized for doing so.

		PUBLIC	75
1		Imposing a penalty for	
2		excellence removes the	
3		incentives to pursue	
4		excellence."	
5		And again, you would	
6		confirm, you are not surprised	
7		to see this paragraph in this	
8		set of guidelines?	
9		A. Not at all.	
10	182	Q. The approach taken by the	
11		Competition Bureau in Canada is consistent	
12		with the position taken by antitrust	
13		regulators in the United States, is it not?	
14		A. Yes, that is correct.	
15	183	Q. And going back to the firs	t
16		page, the note of caution, one of the notes	of
17		caution struck by the Competition Bureau in	
18		these guidelines deals with something calle	d
19		over-enforcement. Do you see that?	
20		A. Do you yes, I see that,	
21		thank you.	
22	184	Q. And again, the point made	by
23		the Bureau in the guidelines is that	
24		over-enforcement carries the danger of	
25		chilling innovation and dynamic competition	

		PUBLIC 76
1		And would you agree with that,
2		would you not?
3		A. Yes, I would agree with that.
4	185	Q. That takes me back to where
5		we started, namely the Article by Professors
6		Connor and Lande that was published in the
7		Cardozo Law Review in November of 2012
8		entitled "Cartels As Rational Business
9		Strategy" let's pull that up one last time,
10		if we can, please.
11		I just want to show you one
12		passage. I've already shown you part of it but
13		let me just give you the whole paragraph, if I
14		may, or at least part of it.
15		Turn to page 431, please, where
16		under the heading the first heading is
17		"Optimal Deterrence: Individual vs. Corporate
18		Perspectives."
19		And then it goes on, subheading
20		"Overall Framework for analysis", and it says:
21		"The generally accepted
22		overall approach to the optimal
23		deterrence of antitrust
24		violations was developed by
25		Professor William Landes. He

		PUBLIC		77
1		showed that to	achieve optimal	
2		deterrence the	e damages from an	
3		antitrust viol	ation should be	
4		equal to the v	violation's	
5		expected 'net	harm to others'	
6		divided by the	e probability of	
7		detection and	proof of the	
8		violation."		
9		A. Yes, I see	that.	
10	186	Q. And if I p	ause there for a	
11		moment, I take it you have	no reason to	
12		dispute any of that.		
13		A. In fact, I	repeat pretty m	uch
14		the same idea when I descri	be the approache	s to
15		optimal penalties in my own	report.	
16	187	Q. And is thi	s description,	
17		I know he's using slightly	different words,	
18		but is the description by F	rofessors Connor	
19		and Lande referring to the	internalization	
20		approach that you mentioned	l in your report?	
21		A. Well, that	would depend on	the
22		way that you think about ne	et harm to others	•
23		So if you look	at the analysis	
24		done by Dr. Hylton then he	talks about	
25		consumer harm. He also tal	.ks about benefit	S

		PUBLIC	78
1		to the company from the anticompetitive	
2		conduct that come in the form, say, of cost	
3		reductions.	
4		The internalization approach,	
5		right, if we take net harm to others by say	ing
6		we've caused 100 harm to consumers, but the	re
7		was 50 benefit in cost reduction to the	
8		company, then the net harm is 50, even thou	gh
9		the consumers bore the whole 100 harm because	se
10		we're taking society as a whole.	
11		If we take the deterrence	
12		approach that would be the internalization	on
13		approach, just to make that clear.	
14	188	Q. Just pause there. That was	S
15		my question. My question is whether, in th	is
16		part of this paper, these professors, Conno	r
17		and Lande are describing the internalization	n
18		approach? That's a simple factual question	
19		A. Could we look at footnote	18,
20		because they seem to be referencing the net	harm
21		to others. The logic underlying if you	don't
22		mind, I'll just read this:	
23		"The logic"	
24		(Witness reads document to	
25		himself).	

		PUBLIC	79
1		The way they describe it here	
2		would be consistent with the internalization	n
3		approach.	
4	189	Q. Okay, that's really my	
5		question.	
6		Now, in terms of the dates, ag	ain
7		going back to the first page of the paper,	you
8		see it's published again, we've already	
9		established it's November of 2012?	
10		A. It appears that way.	
11	190	Q. And I'm interested in a bi	t
12		more current work than that. Can we agree	
13		that you have not cited in your report in the	his
14		case, any paper published by an economist is	n
15		the last decade who takes the position that	
16		the deterrence approach is preferable to the	е
17		internalization approach in the determination	on
18		of optimal antitrust penalties in abuse of	
19		dominance cases?	
20		A. I don't recall citing a page	per
21		from the last decade that	
22		(overspeaking)	
23		BY MR. THOMSON:	
24	191	Q. Okay. Now, let me deal wi	th
25		another issue that you raise in your report	

		PUBLIC 80
1		and I'm going to approach it in a little bit
2		of an indirect way but see if we can reach a
3		consensus on some basic building blocks before
4		I do.
5		You would agree as a neutral
6		independent expert that different antitrust
7		regulators in different jurisdictions can take
8		different approaches to the enforcement of
9		different competition laws; correct?
10		A. Could you kindly repeat the
11		sentence?
12	192	Q. Yeah.
13		A. There was a lot of "different"
14		there so I just want to make sure I'm following.
15	193	Q. Yeah, I'm emphasizing the
16		differences.
17		The simple point is this:
18		Different jurisdictions have different antitrust
19		regulators; correct?
20		A. If by jurisdictions you mean
21		Canada versus the U.S. versus Europe, yes, I
22		agree with that statement.
23	194	Q. Versus Australia, versus New
24		Zealand
25		A. Yes.

		PUBLIC 81
1	195	Q versus India, versus we
2		can go through a bunch of European countries
3		as well, but the simple point is that
4		different antitrust regulators operating in
5		different jurisdictions can and sometimes do
6		take different approaches in enforcing
7		competition laws?
8		A. Yes, I agree with that
9		statement.
10	196	Q. And that's the regulators.
11		Let's talk about legislators,
12		people that actually pass legislation,
13		Parliaments, and in the case of the U.S.,
14		Congress, Senate, President, we can agree, can
15		we not, that different legislators, in different
16		jurisdictions can take different approaches in
17		the enactment of legislation governing
18		competition laws?
19		A. I would agree with that
20		statement. Yes, sir.
21	197	Q. And different legislators in
22		different jurisdictions can be driven by
23		different priorities and policy rationales?
24		A. That seems like a fair
25		statement.

	PUBLIC 82	
198	Q. And although you're not a	
	lawyer, I'm pretty sure you will readily agree	
	that the actual laws themselves, competition	
	laws in different jurisdictions may well	
	contain different provisions and different	
	wording?	
	A. That sounds right to me.	
199	Q. So to pick two examples that	
	you, indeed, are familiar with, you would	
	accept, would you not, that the wording of the	
	Sherman Act in the United States is not	
	identical to the wording of the Competition	
	Act in Canada?	
	A. I would agree with that.	
200	Q. The wording is different and	
	the terms are different; correct?	
	A. That sounds right to me.	
201	Q. And with respect to	
	adjudicators, so we've talked about	
	enforcement agencies, we've talked about	
	legislators, let's talk about adjudicators.	
	You would agree with me that it is	
	entirely conceivable that different adjudicators	
	in different jurisdictions that apply different	
	legislation in different cases involving	
	199	Q. And although you're not a lawyer, I'm pretty sure you will readily agree that the actual laws themselves, competition laws in different jurisdictions may well contain different provisions and different wording? A. That sounds right to me. Q. So to pick two examples that you, indeed, are familiar with, you would accept, would you not, that the wording of the Sherman Act in the United States is not identical to the wording of the Competition Act in Canada? A. I would agree with that. Q. The wording is different and the terms are different; correct? A. That sounds right to me. Q. And with respect to adjudicators, so we've talked about enforcement agencies, we've talked about legislators, let's talk about adjudicators. You would agree with me that it is entirely conceivable that different adjudicators in different jurisdictions that apply different

		PUBLIC	83
1		different evidence can arrive at different	
2		conclusions?	
3		A. Yes, I would agree with tha	at.
4		I would go a step further and	
5		say, you know, what I know here in the Unite	∍d
6		States, the same case may have one ruling by	/ a
7		Federal District Judge that is later	
8		overturned by the Appeals Court and then the	at
9		could later be overturned, again, by the	
10		Supreme Court all for the same case within t	the
11		same apparent jurisdiction.	
12	202	Q. Quite right, and quite a fa	air
13		observation.	
14		Did you know that a number of	
15		courts and the Competition Tribunal itself	in
16		Canada have expressed caution about relying	on
17		U.S. antitrust cases because of things like	
18		differences in wording and approaches? Were	e you
19		aware of that?	
20		A. Sitting here right now, I	io
21		not recall that but it wouldn't surprise me	that
22		such caution was advised.	
23	203	Q. Let me just show you just o	one
24		example, there are many, but just one example	Le
25		to illustrate the point and turn up a case	

		PUBLIC	84
1		called Superior Propane.	
2		So my colleague will pull that	up
3		but, this is just one passage from a case an	ıd it
4		is just an extract, this is a long, long cas	e
5		but it is a decision of the Competition Trib	unal
6		that was issued you will see the date of	the
7		order it's the next page issued in Apr	il
8		of 2002, so quite some time ago.	
9		A. Yes. I see it.	
10	204	Q. The order was signed by	
11		A. It's from 2001.	
12	205	Q. Sorry, dated do you see	
13		the date of the order, 20020404?	
14		A. Yes, yes, yes. Sorry, I wa	ıS
15		looking at the date at the bottom of the pag	e.
16	206	Q. And the order signed by	
17		Justice Nadon. I take it you don't know who)
18		Justice Nadon is?	
19		A. No, I do not.	
20	207	Q. So he was, at this stage, a	Ĺ
21		member of the Federal Court Trial Division	
22		that was a member of the Competition Tribuna	.1,
23		became a Justice of the Federal Court of	
24		Appeal after this, but I just want to show y	ou
25		one passage at paragraph 158 of the decision	ι,

	PUBLIC 85
1	where Justice Nadon and the Tribunal itself
2	says:
3	"The Tribunal does not
4	criticize the American
5	antitrust regime, but it notes
6	that it is the result of
7	circumstances, policies, and
8	judicial interpretation of the
9	pertinent statutes that are
10	unique to the United States."
11	And again, that is not a
12	surprising observation to you;
13	it is consistent with your
14	understanding?
15	A. Yes, that is consistent with my
16	understanding.
17	208 Q. Okay.
18	Now, just so we have it (unclear),
19	authority let's mark that extract as an exhibit.
20	EXHIBIT NO. 15: Extract from
21	Decision in The Commissioner of
22	Competition v. Superior Propane
23	Inc.
24	THE WITNESS: I'm just wondering,
25	whether this specifically talks about opinions

		PUBLIC	86
1		of American commentators on Canada's Act or	·
2		BY MR. THOMSON:	
3	209	Q. It does in part. It does	in
4		part, but it's talking about America	
5		jurisprudence as well.	
6		A. Yeah, I'm just trying to	
7		understand this within context and it's not	
8		quite clear to me the context in which this	is
9		offered.	
10	210	Q. Yep. No worries, it reall	У
11		doesn't matter. It is just a simple point	of
12		observing differences between the legislati	ve
13		regimes in the two countries.	
14		Let me show you another docume	nt
15		that does not appear in Appendix B to your	
16		report, namely Google's response in this	
17		proceeding.	
18		So turn up, please, the respon	se.
19		Here you will see on screen th	.e
20		first page of a lengthy document that was f	iled
21		with the Tribunal, Competition Tribunal on	
22		February 14th, 2025.	
23		You will see it's entitled	
24		"Response of Google LLC and Google Canada	
25		Corporation"?	

		PUBLIC 87	
1		A. Yes, I see that.	
2	211	Q. And you would confirm, would	
3		you not, Professor, that although the	
4		Commissioner's Notice of Application appears	
5		in Appendix B to your report, this response	
6		does not?	
7		A. That is correct.	
8	212	Q. Now, had you seen this	
9		response before you filed your report in this	
10		proceeding?	
11		A. I may have.	
12		Just to refresh my memory, is	
13		this the response that the report of	
14		Dr. Hylton is meant to buttress?	
15	213	Q. Well, Dr. Hylton's report is	
16		actually meant to address a constitutional	
17		issue not the report itself.	
18		But my question is: Do you recall	L
19		actually having read this it is a lengthy	
20		document, it's just for your benefit, it's	
21		145 pages long; do you recall having read this	
22		response before you filed your report?	
23		A. Sitting here right now, I do	
24		not recall if I read the whole or parts of this	3
25		particular one.	

		PUBLIC	88
1		The language looks a bit famili	ar
2		but, like I said, there's reference to	
3		section 79, the Competition Act.	
4		I've read a bunch of documents	to
5		familiarize myself with my assignment and wh	ıat
6		I need to do. This may be one of them, but	
7		sitting here right now, I do not recall the	
8		extent to which I went through this document	· •
9	214	Q. We can agree, can we not,	
10		Professor, that your mandate in this matter	
11		was and is confined to evaluating the variou	S
12		claims made by Professor Hylton	
13		A. Yes.	
14	215	Q in his first report of M	lay
15		6 of 2025?	
16		A. That is correct. That is m	ıy
17		assignment.	
18	216	Q. And you are, no doubt, awar	e,
19		because you read Professor Hylton's report	
20		carefully, that he did not address in his	
21		report, the merits of the Commissioner's	
22		allegations against Google or the merits of	
23		Google's responses to those allegations?	
24		A. Yes, which is the reason I	was
25		surprised that he was able to make the asser	tion

		PUBLIC	89
1		that any penalty, even a fraction of the cap	
2		would be punitive without any analysis of the	ne
3		merits.	
4	217	Q. So come back to my question	1:
5		You are aware that Professor Hylton did not	
6		address in his report, the merits of the	
7		Commissioner's allegations against Google or	<u>-</u>
8		the merits of Google's responses to those	
9		allegations; correct?	
10		A. Indeed he did not, and yet	he
11		was able to reach a conclusion about any	
12		fraction of the cap as a penalty, which I fi	ınd
13		quite surprising.	
14	218	Q. With respect to your mandat	e,
15		you were not asked by the Competition Bureau	1
16		to review and opine in your report of	
17		July 4th of 2025 all of the lay and expert	
18		evidence that was tendered at trial during t	he
19		proceedings before Justice Brinkema in the	
20		U.S.?	
21		A. That is correct.	
22	219	Q. Indeed, none of the evidence	e
23		that was adduced in that trial is listed in	
24		Appendix B to your report?	
25		A. That is correct.	

		PUBLIC	90
1	220	Q. And with respect to this	
2		case, are you aware that the parties only	
3		exchanged their initial rounds of production	n
4		in this case, the one before the Competition	n
5		Tribunal, roughly ten days or so, on	
6		July 18th of 2025?	
7		A. I am not aware of the date	in
8		which they exchanged their final rounds of	
9		disclosures.	
10	221	Q. Well, it's not even final	
11		rounds of disclosures, it is actually the	
12		initial rounds of their disclosures.	
13		A. Sorry.	
14	222	Q. The point being, they were	
15		exchanged by the parties after you filed you	ur
16		report, not before.	
17		A. I was not aware of that.	
18		I understand that we're in rat	her
19		early stages of this case.	
20	223	Q. All right. And you've	you
21		have reviewed none of those productions,	
22		either of the Competition Tribunal or of	
23		Google; correct?	
24		A. That was not part of my	
25		assignment, that is correct.	

		PUBLIC 91
1	224	Q. With respect to the way in
2		which this proceeding will play out, you don't
3		know who the Commissioner will call as
4		witnesses at trial or who Google will testify
5		[sic] at trial in the proceedings before the
6		Tribunal; correct?
7		A. That is correct.
8	225	Q. And you are certainly not
9		purporting to address in your report or your
10		evidence, again, the merits of any of the
11		Commissioner's allegations against Google or
12		the merits of any of Google's responses to
13		those allegations, correct, that's not part of
14		your mandate, not part of your role?
15		A. No, I am not involved at all in
16		any work related to the merits of this case.
17		If I may, Mr. Thomson, it's been
18		an hour and a half and I wouldn't mind
19	226	Q. Sure.
20		A taking a little bathroom
21		break.
22	227	Q. Yeah, good for you for
23		raising your hand. I have a bad habit of
24		forgetting about these sorts of things because
25		I am not entirely human so

		PUBLIC 92
1		A. When you are my age, Mr.
2		Thomson, your body will remind you.
3	228	Q. Okay. Why don't we take 15
4		minutes.
5		RECESS TAKEN AT 1:33 P.M.
6		UPON RESUMING AT 1:47 P.M.
7		BY MR. THOMSON:
8	229	Q. Are you ready to drive ahead,
9		Professor?
10		A. Yes, I am. Thank you, Mr.
11		Thomson.
12	230	Q. My pleasure. So, another
13		issue I'm now on to my third topic that you
14		deal with in your report is the issue of
15		the probability of detection in enforcement?
16		A. Yes.
17	231	Q. And I just wanted to ask you
18		a few questions about that issue, if I may.
19		Am I right that in addressing that
20		issue, which both you address and Professor
21		Hylton also addresses it, you both mention
22		several different types of antitrust matters.
23		So you obviously mention abuse of
24		dominance or monopolization cases?
25		A. Yes.

		PUBLIC 93
1	232	Q. You mentioned cartel or price
2		fixing cases?
3		A. Yes.
4	233	Q. And you also mention merger
5		cases.
6		A. Correct.
7	234	Q. So let me deal with each of
8		those, if I may, and let me start at the end
9		of that list. Let me start with merger cases.
10		If we look at paragraph 40 of your
11		report, you refer to certain filing requirements
12		in respect of mergers in the United States under
13		a Federal U.S. statute called the Hart Scott
14		Rodino Act?
15		A. Yes.
16	235	Q. And we can agree, can we not,
17		that putting this as simply as I possibly can,
18		under that Act parties to certain large
19		mergers and acquisitions must file premerger
20		notifications and then wait for government
21		review before completing the transactions.
22		A. That is correct.
23	236	Q. And if we look at one
24		document, it says exactly what I just said.
25		It is an FTC report on premerger notifications

		PUBLIC 94	
1		which my colleague will pull up.	
2		You will see here a document issued	
3		by the Federal Trade Commission, if you look at	
4		the top of the page?	
5		A. Yes, I see that.	
6	237	Q. It's entitled "Premerger	
7		Notification and the Merger Review Process."	
8		A. Yes, I see that.	
9	238	Q. And the first paragraph:	
10		"Under the	
11		Hart-Scott-Rodino Act	
12		parties to certain large	
13		mergers and acquisitions must	
14		file premerger notification and	
15		wait for government review.	
16		The parties may not close their	
17		deal until the waiting period	
18		outlined in the HSR Act has	
19		passed, or the government has	
20		granted early termination of	
21		the waiting period."	
22		It goes on to say that:	
23		"The FTC administers the	
24		premerger notification program	
25		and its staff members answer	

		PUBLIC 9	5
1		questions and maintain a	
2		website with helpful	
3		information about how and when	
4		to file."	
5		And this is consistent with your	
6		understanding of the way that statute operate	s?
7		A. That correct, sir.	
8		MR. THOMSON: All right, let's m	ark
9		that as the next exhibit.	
10		EXHIBIT NO. 16: Document	
11		entitled Premerger Notification	
12		and the Merger Review Process	
13		BY MR. THOMSON:	
14	239	Q. In paragraph 41 of your	
15		report, and also in footnote 49, if you want	
16		to look at that, you refer to a joint report	
17		of the Federal Trade Commission and the	
18		Department of Justice called	
19		"Hart-Scott-Rodino Annual Report for Fiscal	
20		Year 2023"?	
21		A. Yes, I see that.	
22	240	Q. Let me show you the report a	.s
23		well as the press release that accompanied th	ıe
24		report. So, let's start with the press	
25		release.	
			I

		PUBLIC 96	
1		My colleague will pull up so you	1
2		will see on your screen a press release of	
3		October 10, 2024.	
4		Do you see the date just under the	
5		heading?	
6		A. Yes, I see that.	
7	241	Q. And the title of the press	
8		release is:	
9		"FTC, DOJ issue Fiscal Year	
10		2023 Hart-Scott-Rodino	
11		Notification Report and	
12		Announce Corrected Fiscal Year	
13		2022 Report."	
14		A. I see that, sir.	
15	242	Q. And then the first paragraph	
16		of the release says:	
17		"The Federal Trade	
18		Commission, together with	
19		Justice Department's Antitrust	
20		Division, released their annual	
21		report detailing fiscal year	
22		2023 data on the HSR Premerger	
23		Notification Program, which	
24		alerts the agencies to	
25		transactions that may	

	PUBLIC 97
1	substantially lessen
2	competition in violation of
3	federal law."
4	And then it goes on to
5	quote some of the statistics
6	you actually quote in your
7	report.
8	It says:
9	"The agencies' 46th
10	Hart-Scott-Rodino Report notes
11	that in fiscal year 2023, 1,805
12	transactions were reported
13	under the [Hart-Scott-Rodino
14	Act], nearly one quarter of
15	which were valued at more than
16	\$1 billion, continuing a trend
17	in more recent years towards
18	larger and more complicated
19	transactions."
20	So this press release is referring
21	to the report, the joint report of the Federal
22	Trade Commission and Department of Justice that
23	you referred to in your report?
24	A. It appears to, yes.
25	Q. And if you look at the report

		PUBLIC	98
1		itself, which my colleague will pull up of	h,
2		let's mark that last document.	
3		That is the press release of	
4		October 10, 2024.	
5		That's Exhibit 17.	
6		EXHIBIT NO. 17: FTC Press	
7		Release dated October 10, 2024	
8		BY MR. THOMSON:	
9	244	Q. And now let's look at the	
10		report that you refer to in the report and	
11		pull that up.	
12		So you will see here a report or	a
13		the letterhead both of the Federal Trade	
14		Commission and of the Department of Justice	
15		Antitrust Division?	
16		A. I see that.	
17	245	Q. You see the title of the	
18		report is "Hart-Scott-Rodino Annual Report	
19		Fiscal Year 2023."	
20		This is the report you referred	to
21		in paragraph sorry, footnote 49 of your	
22		report?	
23		A. That is correct.	
24		MR. THOMSON: Okay, let's mark	this
25		as the next exhibit. Exhibit 18.	

		PUBLIC 99
1		EXHIBIT NO. 18: Hart-
2		Scott-Rodino Annual Report Fiscal
3		Year 2023
4		BY MR. THOMSON:
5	246	Q. Actually, just before I take
6		you actually into the report itself, just to
7		ask you about some of the facts and figures in
8		it, in paragraph 41 of your report, you use a
9		phrase of "second requests."
10		Do you see it says "resulting in 37
11		second requests"?
12		A. Yes.
13	247	Q. And can we agree, Professor,
14		that a second request is simply a request for
15		additional information made either by the
16		Federal Trade Commission, sometimes called the
17		FTC, or by the Antitrust Division of the
18		Department of Justice, which I'll call the
19		DOJ, following the initial notification of the
20		transaction in question?
21		A. That is my understanding, yes.
22	248	Q. Okay, and if we look at one
23		more document just to illustrate this point,
24		and that is the same document that I believe
25		we've already just looked at, Federal Trade

		PUBLIC	100
1		Commission Premerger Notification and the	
2		Merger Review Process, that is Exhibit 16.	
3		Look at the second page of th	at,
4		please. At the top of the page, it says:	
5		"After a preliminary revi	ew
6		of the premerger filing, the	
7		agency can, " do one of three	
8		things:	
9		"1. terminate the waiting	ī
10		period prior to the end of th	.e
11		waiting period"	
12		By granting early termination	or
13		ET; second, allowing the initial waiting p	eriod
14		to expire; or third, issue a request for	
15		additional information, called a second re	quest,
16		to each party asking for more information.	
17		And that, again, is consisten	t with
18		your understanding of what a second reques	t is?
19		A. Yes, it is, sir.	
20	249	Q. Okay, thank you.	
21		Now, let me take you to the b	ody of
22		your report in paragraph 41, just the firs	t
23		several sentences where you set out some f	acts
24		and figures from this report that we are l	ooking
25		at now and you say this:	

		PUBLIC 101
1		"Recent data reinforces
2		this point. In 2023 there were
3		1,805 transactions reported in
4		the United States, resulting in
5		37 second requests, and
6		approximately 14 complaints
7		filed. These filings resulted
8		in 3 litigated wins. At least
9		in 2023 the probability of a
10		second request resulting in an
11		agency win in court was 0.08,
12		or eight percent."
13		A. Mm-hmm.
14	250	Q. Do you have that?
15		A. Yes.
16	251	Q. I just want to show you and,
17		therefore, the Tribunal where some of these
18		facts and figures came from.
19		So, first, with respect to the
20		number of transactions reported, that is 1,805.
21		Am I right that if you look at
22		page 1 of the report of the DOJ and the FTC, you
23		will find that that number in the second
24		paragraph, I believe it's the third or fourth
25		sentence in that paragraph.

		PUBLIC 102
1		So in fiscal year 2023, 1,805
2		transactions were reported under the
3		Hart-Scott-Rodino Act?
4		A. Yes, I see that.
5	252	Q. That's where that number came
6		from?
7		A. Correct.
8	253	Q. And with respect to the
9		figure of 37 second requests, that number, as
10		I understand it, if you turn to page 8 of the
11		report, and look at the first full paragraph,
12		the second sentence says:
13		"Of the 1,805 reported
14		transactions in fiscal year
15		2023, Second Requests could
16		have been issued in 1,735 of
17		them. The FTC issued 26 Second
18		Requests in [fiscal year] 2023.
19		In [fiscal year] 2023, the
20		Division issued 11 second
21		requests. See Table 1."
22		So if you add those numbers
23		up, you end up with your 37?
24		A. 26 plus 11 is 37.
25	254	Q. Then with respect to the

		PUBLIC	103
1		three litigated wins, that number actually	
2		comes from a combination of a chart concern	ning
3		the FTC and a chart concerning the	
4		Department of Justice.	
5		So if we turn to page 3 of the	Э
6		report, you will see at the top of page 3,	there
7		is a heading "The Federal Trade Commission	
8		A. Mm-hmm.	
9	255	Q. You have to say "yes" or	
10		"no."	
11		A. Yes, sorry.	
12	256	Q. And then skipping down to	the
13		second chart, under the heading "The Federa	al
14		Trade Commission", "Summary numbers for	
15		Enforcement Actions", complaints filed for	
16		litigated win, 1. So the FTC had one	
17		litigated win in 2023, and the chart for the	he
18		Department of Justice is on page 5.	
19		You will see a heading han	g on,
20		scroll you see a heading at the top of	the
21		page "The Department of Justice"?	
22		A. Yes, I see that.	
23	257	Q. And then below that, the	
24		second chart on the page, "Summary Numbers	for
25		Enforcement Actions, " complaints filed 1,	and

		PUBLIC	104
1		litigated win, 2.	
2		So that is the three	wins,
3		one for the FTC and two f	or the
4		DOJ?	
5		A. That is correct.	
6	258	Q. Okay, and then taking	you
7		back to paragraph 41 of your report, t	hat is
8		the basis on which you say "At least i	n 2023"
9		this is the second or third sentence	ce:
10		"At least in 2023 the	2
11		probability of a second r	request
12		resulting in an agency wi	n in
13		court was 0.08, or	
14		eight percent."	
15		Right?	
16		A. That is correct.	
17	259	Q. That figure is basica	ally a
18		comparison between three wins and 37 s	second
19		requests?	
20		A. Precisely.	
21	260	Q. So put simply, three	divided
22		by 37 is 8 percent?	
23		A. Just about.	
24	261	Q. Okay. Now, am I corr	rect,
25		that calculation does not include other	er types

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		PUBLIC	105
1		of resolutions that might have been achieve	d
2		in contentious merger cases by the FTC or t	he
3		DOJ?	
4		A. That is correct.	
5	262	Q. And those other resolution	S
6		include, just for instance, resolutions	
7		achieved by way of the issuance of a consen	t
8		order?	
9		A. Sorry, could you repeat th	at,
10		Mr. Thomson?	
11	263	Q. Yes, those other resolution	ns
12		include, for instance, resolutions achieved	by
13		way the issuance of a consent order?	
14		A. Yes.	
15	264	Q. And they also include	
16		transactions that were sorry, I should g	et
17		closer to the microphone, transactions that	
18		were abandoned or restructured as a result	of
19		antitrust concerns raised by the FTC or the	
20		Department of Justice during their reviews	of
21		potentially problematic transactions?	
22		A. That is a possibility, yes	•
23	265	Q. And if we look at page 2 o	f
24		the joint report of the Department of Justi	ce
25		and the FTC, this is under the chart, the	

		PUBLIC	106
1	paragraph t	hat begins with the words	"During
2	fiscal year	2023"	
3		A. Yes.	
4	266	Q it says this:	
5		"During fiscal year	2023,
6		the Federal Trade Commis	ssion
7		and the Antitrust Divisi	on
8		worked to block unlawful	-
9		mergers across a range o	of
10		industries, including	
11		pharmaceuticals,	
12		transportation, hospital	.S,
13		agriculture, mortgage le	ending,
14		financial services, ceme	ent,
15		construction, healthcare	<u>;</u>
16		advertising, broadcastir	ıg,
17		medical devices, electri	city
18		and reproductive health	
19		services. The Commission	on took
20		action against 16 deals:	Two in
21		which it issued consent	orders
22		for public comment; ten	in
23		which the transaction wa	ıs
24		abandoned or restructure	ed as a
25		result of antitrust cond	erns

		PUBLIC	107
1		raised during the	
2		investigation; and four	in
3		which the Commission ini	tiated
4		administrative or Federa	l Court
5		litigation."	
6		A. Yes.	
7	267	Q. (Reading):	
8		"The Division took a	ction
9		against 12 merger transa	ctions:
10		two that were blocked th	rough
11		lawsuits in U.S. distric	t
12		courts and ten in which	the
13		transaction was abandone	d or
14		restructured after the D	ivision
15		raised concerns about th	е
16		threat it posed to	
17		competition."	
18		And you obviously re	ad that
19		paragraph in preparing y	our
20		report?	
21		A. Yes, I did.	
22	268	Q. Indeed, you quoted f	rom this
23		very paragraph, am I not correct, in	footnote
24		49 of your report?	
25		A. That is correct.	

		PUBLIC 108
1	269	Q. So if we factor into your
2		analysis and your calculations, matters that
3		you did not refer to in coming up with that
4		8 percent calculation, we see that of the 37
5		transactions that gave rise to second
6		requests, the Federal Trade Commission and
7		Department of Justice took action against 28
8		of the 37, or 75.7 percent, and of the 28, 20
9		were abandoned or restructured after concerns
10		were raised by the FTC or
11		Department of Justice during the course of
12		their investigation?
13		A. It appears so.
14	270	Q. Is that a fair summary of
15		this paragraph?
16		A. That appears that way, yes.
17	271	Q. Okay.
18		Now, am I right that you have not
19		pointed to a single merger case in Canada in
20		your report that should have been challenged by
21		the Competition Bureau but was not?
22		A. That is correct.
23	272	Q. And you are not aware of one,
24		are you?
25		A. No, I am not aware of one.

		PUBLIC 1	09
1		The purpose of this section, if	:
2		you go back to Dr. Hylton's original report,	
3		in paragraph 29, he discusses, and I'm quoti	ng
4		from his report:	
5		"As a general matter"	
6	273	Q. Sorry, Professor, let me ju	st
7		interrupt you. I'm not sure what question y	ou
8		think you're answering.	
9		A. No, I'm answering the quest	ion
10		of the relevance of this data	
11	274	Q. I didn't ask you that.	
12		A in my report.	
13	275	Q. I didn't ask you that.	
14		The question I asked you was: Y	ou
15		haven't pointed to a single merger case in	
16		Canada in your report that should have been	
17		challenged by the Competition Bureau but was	;
18		not, and I believe you confirmed you did not	.?
19		A. I did not.	
20		I was exactly referring to the	
21		references that Dr. Hylton makes about the	
22		most applicable study of antitrust enforceme	nt
23		probabilities for this report that's what	
24		he writes is the Coate et al. paper that	
25		talks about FTC merger challenges.	
	I		

		PUBLIC	110
1		So I, in particular, dove int	0
2		the aspect of FTC and DOJ merger challenge	S.
3	276	Q. Right. I didn't ask you	
4		about any of that.	
5		You are going to find that I	have
6		little teeny itty bitty questions, little	facts.
7		So here my little itty bitty	
8		question is: You haven't pointed to a sing	le
9		merger case in Canada in your report that	should
10		have been challenged by the Competition Bu	reau
11		but was not.	
12		And I believe you have confir	med
13		that's correct.	
14		A. I have confirmed that.	
15	277	Q. Thank you.	
16		Let me turn to the second typ	e of
17		case referred to in this part of your repo	rt
18		that is price fixing cartels.	
19		We can agree, can we not, tha	t one
20		of the well-recognized hallmarks of price	
21		fixings cartels is that their participants	take
22		steps to maintain secrecy?	
23		A. That is typical of one of	the
24		hallmarks of cartels, and in some cases of	
25		monopolization as well.	

		PUBLIC 111
1	278	Q. Some at least in some
2		cases, maybe not every case but in some cases,
3		participants in price fixing cartels do so,
4		that is they take steps to maintain secrecy
5		because the consequences of getting caught can
6		include prosecution and imprisonment, both in
7		Canada and in the United States; fair enough?
8		A. Assuming that they understand
9		the law, I would agree with that.
10	279	Q. Can we agree on this, that
11		often the victims of price fixing cartels are
12		ordinary consumers?
13		A. That is typically true.
14	280	Q. And by contrast in a
15		monopolization or abuse of dominance case, the
16		conduct in question can actually harm
17		competing businesses; correct?
18		A. Consumers. Businesses and
19		consumers.
20	281	Q. Okay. Would you accept this,
21		that in a monopolization or abuse of dominance
22		case, the conduct in question can be more
23		public in nature?
24		A. It may or may not, depending on
25		the nature of the conduct and the case.

		PUBLIC 112
1	282	Q. And if we go to your report
2		and look at paragraph 43, you refer to I'm
3		going to take you to that in about one minute.
4		Let me just pause there for a
5		second. I'm going to take you to Project
6		Bernanke in a minute.
7		Parties that might have cause to
8		complain in a monopolization or abuse of
9		dominance case would typically in your
10		experience include competing businesses or
11		firms?
12		A. I'm sorry, could you repeat the
13		question, counsel?
14	283	Q. Sure. In your experience,
15		parties that might have cause to complain in a
16		monopolization or abuse of dominance case
17		A. That might have cause to
18		complain, I got it.
19	284	Q. Yes.
20		A. Yeah?
21	285	Q include competing
22		businesses or firms?
23		A. In some cases I would agree
24		with that.
25	286	Q. Okay. And would you accept

		PUBLIC	113
1		this, that competing businesses or firms a	are
2		likely to have greater financial and other	2
3		resources and incentives than individuals	
4		would to launch complaints to enforcement	
5		agencies like the Competition Bureau or th	ne
6		FTC or the Department of Justice?	
7		A. That would be more likely	than
8		not.	
9	287	Q. Now, in this part of your	î
10		report you do mention a business initiativ	re of
11		Google in the United States known as Proje	ect
12		Bernanke [pron.]?	
13		A. Bernanke, yes.	
14	288	Q. It is actually pronounced	ł,
15		I'm told, Bernake [pron.]	
16		A. Well, I have met Professo	or
17		Bernanke and my understanding is that is h	now he
18		pronounces his name	
19	289	Q. All right, well	
20		A but I will not argue w	vith
21		the way that Google chooses to pronounce i	t.
22	290	Q. No, no. No, no, no, I ma	аy
23		have been I could be misled by one of m	ny
24		colleagues so I defer to you.	
25		You or were you aware, rat	cher,

		PUBLIC	114
1		that in the proceedings in the United State	es
2		District Court for the Eastern District of	
3		Virginia, those are the proceedings preside	ed
4		over by Judge Brinkema, were you aware that	in
5		that case the plaintiffs initially made and	d then
6		abandoned, during the course of the proceed	lings,
7		allegations against Project Bernanke?	
8		A. I believe that I read that	=
9		somewhere, yes.	
10	291	Q. And you are aware that tha	at
11		case was brought, not only by the United	
12		States but also by 17 different states?	
13		A. Yes, I'm aware of that.	
14	292	Q. You've obviously read the	
15		decision of Judge Brinkema?	
16		A. I believe I've read parts	
17		of it. I don't recall if I've read the ful	Ll
18		decision.	
19	293	Q. Okay, no worries.	
20		Would you accept this, that th	nere
21		is no reference in that decision to Project	_
22		Bernanke?	
23		A. From my recollection, I do	not
24		recall a reference to Project Bernanke.	
25	294	Q. Okay. Now, you of course	

		PUBLIC	115
1		A. I feel that maybe I should	i
2		remind you about your statement that the	
3		Canadian judge mentioned, not necessarily t	20
4		look at the United States, but I'm just bei	ing a
5		bit facetious here.	
6	295	Q. Oh, I I get the joke.	
7		Professor, again, testifying a	as you
8		are as a neutral independent expert	
9		A. Yes.	
10	296	Q you can't express an	
11		opinion under oath as to which industry	
12		participants knew about this initiative by	
13		Google and which did not; it is something y	<i>y</i> ou
14		have no knowledge of, right?	
15		A. I have no knowledge of tha	at,
16		that's correct.	
17	297	Q. Okay, and it's fair to say	?
18		you've conducted no review or analysis of a	any
19		of Google's communications with publishers	or
20		advertisers at the time to determine what t	they
21		may or may not have said about Google's	
22		discretion to modify bids submitted by	
23		advertisers in Ad Exchange or AdX?	
24		A. That is correct.	
25	298	Q (overspeaking)	

		PUBLIC	116
1		optimized auctions, that is something that	
2		you've never looked at?	
3		A. No, I have not looked at	that.
4	299	Q. Am I correct that you've	
5		conducted no review of the technical suppo	rt
6		pages of Google relating to its Ad Exchang	e
7		auction model?	
8		A. That, I actually have, in	L
9		another context but that was a while back	and it
10		was not for this matter.	
11	300	Q. Okay. Certainly none of	
12		those materials are listed in Appendix B t	0
13		your report?	
14		A. Correct, those are not th	ings
15		that I looked at for the matter of my repo	ort.
16	301	Q. Okay. Now, let me deal	
17		quickly, if I may, with other aspects of	
18		Google's conduct that have been placed at	
19		issue in one form or another in the	
20		Commissioner's application, and some of th	em
21		are referred to in your report.	
22		Let me start with acquisition	S.
23		So you refer in your report,	
24		I believe it's paragraph 35, to two acquis	itions
25		of other companies that were completed by	Google

		PUBLIC 117
1		over the years.
2		A. Yes.
3	302	Q. So the acquisitions of Double
4		Click and another company called AdMeld?
5		A. That is correct.
6	303	Q. And you're no doubt aware
7		that those both of those transactions were
8		reviewed at the time by antitrust regulators
9		in the United States?
10		A. That is my recollection, yes.
11	304	Q. And were you aware that the
12		DoubleClick acquisition was also reviewed at
13		the time by the Competition Bureau in Canada?
14		A. I do not recall whether I did
15		know that or not.
16	305	Q. Okay, no worries. I'm going
17		to refresh your recollection in about two
18		minutes.
19		Let me start with DoubleClick and
20		start with the U.S.
21		So if we look at a complaint filed
22		by organizations called: EPIC, CDD and the U.S.
23		PIRG, so everyone loved acronyms apparently.
24		And my colleague will pull that complaint up for
25		you. So you should have on your screen,

		PUBLIC 118
1		Professor, a complaint for the Federal Trade
2		Commission in Washington and the date of this,
3		for your benefit, is September 17th of 2020.
4		This is just to situate you in
5		time.
6		A. Mm-hmm.
7	306	Q. Nothing really turns on the
8		date, but that is the date of the complaint.
9		And what it indicates is that in
10		April of 2007 it's first paragraph. "So on
11		April 20
12		A. Yes.
13	307	Q. (Reading):
14		"On April 20, 2007, the
15		Electronic Privacy Information
16		Center (called EPIC) the Center
17		for Digital Democracy (called
18		CDD), and the U.S. Public
19		Interest Research Group (called
20		the U.S. PIRG) filed a
21		Complaint with the Commission
22		requesting an injunction and
23		investigation alleging that
24		Google, Inc. and DoubleClick
25		are engaging in unfair and

		PUBLIC	119
1		deceptive trade practices"	
2		That's the allegation was.	
3		"that will be	
4		exacerbated by the proposed	
5		merger of the two companies."	
6		A. Hm-hmm.	
7		So this was a complaint to th	е
8		FTC about that acquisition. The acquisiti	on
9		by Google?	
10		A. It appears that way.	
11	308	Q. And if we look at paragra	ph
12		23 of the complaint you'll see two things.	
13		Number one, that this transaction was revi	ewed
14		not only by the FTC but also by the Europe	an
15		Commission.	
16		A. Yes, I see that.	
17	309	Q. And this was a sizeable	
18		transaction. It was a \$3.1 billion merger	•
19		A. Yes, that's what it state	s.
20	310	Q. Okay, and if we then go b	ack
21		to paragraph 16 of the report, not the rep	ort,
22		the complaint rather, there is a reference	
23		here to an Article in the Wall Street Jour	nal
24		and then with respect to the European	
25		Commission complaint, if you look at parag	raph

		PUBLIC 1	.20
1		22	
2		A. I'm sorry, Mr. Thomson, you	1
3		referenced paragraph 16, but we didn't go ov	/er
4		anything there. I'm just	
5	311	Q. I'm going to try to link a	
6		couple of things in a minute.	
7		I'm just trying to give you a	
8		reference point. Look at paragraph 22.	
9		A. Okay.	
10	312	Q. Again, back to Europe now.	
11		On June 27 in a letter to the European	
12		Commission?	
13		A. This is June 27 which year?	?
14	313	Q. 2007.	
15		A. Okay, thank you.	
16	314	Q. (Reading):	
17		"On June 27, in a letter to)
18		the European Commission,	
19		consumer organizations,	
20		including BEUC, urged an	
21		investigation into the proposed	Ē
22		merger of Google and	
23		DoubleClick"	
24		So, the point being that compla	aints
25		were now made in both in Europe by a cons	umer

		PUBLIC	121
1		organization and in the U.S. by multiple	
2		consumer organizations concerning the	
3		DoubleClick ad position.	
4		A. Yes.	
5	315	Q. Fair enough?	
6		A. Mm-hmm.	
7	316	Q. And let's mark this docum	ent
8		as the next exhibit, Exhibit 19.	
9		EXHIBIT NO. 19: Second Fi	ling
10		of Supplemental Materials in	
11		Support of Pending Complaint	and
12		Request for Injunction, Reque	st
13		for Investigation and for Oth	er
14		Relief dated September 17, 20	07
15		BY MR. THOMSON:	
16	317	Q. And then with respect to	how
17		this came to an end, if you look at the FT	C's
18		press release of December 20 of 2007, you	will
19		find a press release issued by the Federal	
20		Trade Commission again, December 20, 2007	top
21		left-hand corner, saying:	
22		"The Federal Trade	
23		Commission today announced th	at
24		it will not seek to block	
25		Google Inc.'s proposed \$3.1	

		PUBLIC	122
1		billion acquisition of	Internet
2		advertising server Dou	bleClick
3		Inc. In a 4-1 vote to	close its
4		eight-month investigat	ion of
5		the transaction, the C	ommission
6		wrote in its majority	statement
7		that 'after carefully	reviewing
8		the evidence, we have	concluded
9		that Google's proposed	
10		acquisition of DoubleC	lick is
11		unlikely to substantia	lly
12		lessen competition'."	[As
13		read.]	
14	318	Q. So the FTC conduct	ed its
15	investig	gation for about eight month	s and then
16	closed t	he investigation?	
17		A. It appears that wa	y, yes.
18	319	Q. Okay, let's mark t	his as the
19	next exh	nibit.	
20		EXHIBIT NO. 20: FT	C Press
21		Release dated December	20, 2007
22		entitled 'Federal Trad	е
23		Commission Closes	
24		Google/DoubleClick Inv	estigation'
25		BY MR. THOMSON:	

		PUBLIC 123	
1	320	Q. Let's look at what happened	
2		with this acquisition in Canada and let me	
3		take you to the press release issued by a	
4		group called CIPPIC. C-I-P-P-I-C.	
5		This is the Canadian Internet	
6		Policy and Public Interest Clinic in Ottawa and	
7		you will see and the heading, "For Immediate	
8		Release."	
9		The heading is "CIPPIC Calls on	
10		Competition commissioner to Review	
11		Google-DoubleClick merger."	
12		And the first paragraph says:	
13		"August 2, 2007 The	
14		Canadian Internet Policy &	
15		Public Interest Clinic (CIPPIC)	
16		at the University of Ottawa is	
17		requesting that the Competition	
18		Commissioner review the	
19		proposed merger between Google	
20		and DoubleClick. In an	
21		application for an inquiry	
22		filed with the Commissioner	
23		today, CIPPIC alleges that a	
24		merger between Google and	
25		DoubleClick will prevent or	

		PL	IBLIC	124
1		su	ostantially lessen	
2		cor	mpetition in the online	
3		ta	rgeted advertising market b	У
4		COI	mbining Google's keyword	
5		se	arch dominance with	
6		Do	ubleClick's leadership in	
7		di	splay advertisement serving	
8		an	d behavioural targeting	
9		ad	vertisement products."	
10		So	, my simple point to you wh	ich
11		I'm hopefully y	ou will agree with, is that	this
12		transaction was	challenged in all of the U	nited
13		States, the Euro	opean Union and in Canada?	
14		A.	Yes, I agree with that	
15		statement.		
16	321	Q.	And the transaction was	
17		obviously done	in a highly public fashion?	
18		Α.	That is correct.	
19	322	Q.	And you are no doubt awar	е
20		that all three	of those challenges failed.	
21		Α.	That seems to be the case	•
22	323	Q.	Now let's talk about Adme	ld.
23		Oh	, well let me mark that pre	SS
24		release with CI	PPIC of August 2, 2007. Th	at's
25		Exhibit 21.		

		PUBLIC 125	
1		EXHIBIT NO. 21: CIPPIC Press	
2		Release dated August 2, 2007	
3		entitled 'CIPPIC calls on	
4		Competition Commissioner to	
5		review Google-DoubleClick merger'	
6		BY MR. THOMSON:	
7	324	Q. Let's turn to Admeld quickly.	
8		Google's proposed acquisition of	
9		Admeld Inc. was also reviewed by the Antitrust	
10		Division of the U.S. Department of Justice in	
11		2011.	
12		Let me show you the press release	
13		issued by the United States Department of	
14		Justice on December 2nd, 2011. You will find	
15		that, I hope, on your screen.	
16		A. Yes, I see it.	
17	325	Q. So here you'll see a press	
18		release December 2, 2011 in the archives of	
19		the U.S. Department of Justice, entitled:	
20		"Statement of the	
21		Department of Justice's	
22		Antitrust Division on Its	
23		Decision to Close Its	
24		Investigation of Google Inc.'s	
25		Acquisition of Admeld Inc."	

		PUBLIC	126
1		So you are aware and perhaps	you
2		were aware at the time, that although the	
3		Department of Justice did investigate the	
4		proposed acquisition of Admeld by Google,	it
5		ultimately decided to close its investigat	cion.
6		A. Yes, I am aware of that.	
7	326	Q. And if we just look at the	ne
8		first little bit of the press release, iss	sued
9		by the U.S. Department of Justice, it says	5,
10		first paragraph:	
11		"The Department of	
12		Justice's Antitrust Division	
13		issued the following statemer	ıt
14		today after announcing the	
15		closing of its investigation	
16		into the proposed acquisition	ı
17		of Admeld Inc., an online	
18		display advertising service	
19		provider, by Google Inc.:	
20		'the Antitrust Division	
21		obtained extensive information	on
22		from Google, Admeld and a wid	le
23		range of market participants	in
24		connection with its merger	
25		investigation of the proposed	i

			PUBLIC	127
1			transaction. After a thorough	
2			review of the evidence, the	
3			division concluded that the	
4			transaction is not likely to	
5			substantially lessen	
6			competition in the sale of	
7			display advertising"	
8			Therefore, they closed their	
9		investigation	n. So, this again was a signi	ficant
10		transaction t	that was proceeded with and	
11		completed in	a public fashion at the time?	
12			A. Yes.	
13	327		Q. Now, let's mark this as t	he
14		next exhibit,	, Exhibit 22.	
15			EXHIBIT NO. 22: US DOJ P	ress
16			Release dated December 2, 201	1
17			entitled 'Statement of the	
18			Department of Justice's Antit	rust
19			Division on Its Decision to C	lose
20			Its Investigation of Google	
21			Inc.'s Acquisition of Admeld	
22			<pre>Inc.'</pre>	
23			BY MR. THOMSON:	
24	328		Q. Let me turn, finally, on	this
25		point to the	allegations at issue in our c	ase,

		PUBLIC	128
1		the case pending before the Competition	
2		Tribunal in Canada.	
3		You are aware, are you not, the	he
4		Commissioner has alleged several anticompe	titive
5		practices in this case?	
6		A. That is my understanding.	
7	329	Q. If you want to look to a	
8		convenient summary of what those allegation	ns
9		there is no better source that I, at least	, am
10		aware of than Google's response that puts	them
11		all in one paragraph, so let me show you the	hat.
12		So if you pull up Google's	
13		response go back to the first page, plea	ase,
14		filed with the Tribunal on February 14th of	f
15		2025, there is one paragraph that summarize	es the
16		allegations made by the Commissioner in the	at
17		regard and-that is paragraph 247 on page 13	12 of
18		the response.	
19		So under the heading "Google l	has
20		not engaged in a practice of anti-competit	ive
21		acts, Google's pleading says this in parag	raph
22		247.	
23		A. If I may, just Mr. Thomson	n, to
24		make sure I understand everything in conte	xt.
25	330	Q. Yeah, sure.	

		PUBLIC 129
1		A. This is the document that
2		represents Google's reply to the complaint by
3		the CCB of Google engaging in anti-competitive
4		conduct.
5	331	Q. That's correct.
6		A. Okay and this is the
7	332	Q. What this paragraph does,
8		Professor, is it summarizes what the
9		allegations are.
10		A. Okay.
11	333	Q. I'm trying to give you
12		A. I just want to make yeah,
13		just under the heading that Google has not
14		engaged in the practice of anti-competitive act,
15		under this claim it summarizes what the
16		complaints are about; am I understanding that
17		correctly?
18	334	Q. You have it exactly right.
19		A. Thank you very much.
20	335	Q. And I'm only giving you this
21		to use as a reference point, so we know what
22		we're talking about.
23		A. Totally.
24	336	Q. Under the heading, "Google
25		has not engaged in a practice of

	PUBLIC 130
1	anti-competitive Acts." The response says
2	this:
3	"The Commissioner has
4	selectively put in issue in
5	this Application four out of
6	thousands of product
7	innovations that Google has
8	pursued in the period since the
9	emergence of Ad Tech some 25
10	years ago. As noted above, the
11	four alleged anticompetitive
12	acts are: (i) the tying
13	together of Google's Ad Tech
14	tools; (ii) the use by Google
15	of an innovative technology
16	called 'Dynamic Allocation';
17	(iii) the use by Google of an
18	innovative feature known as
19	'Project Bernanke'; and (iv)
20	the implementation by Google of
21	'Unified Pricing Rules'."
22	
23	So that gives you a reference of
24	what we are going to discuss. We already talked
25	about Project Bernanke. So let me begin you

		PUBLIC	131
1		can put that away or my colleague can put	it
2		away. The first one I want to discuss is	
3		dynamic allocation and let me show you jus	st a
4		couple of documents that relate to this is	ssue.
5		First, are you aware that the	2
6		Competition Tribunal conducted an investig	gation
7		concerning Google's conduct in the online	
8		advertising display sector in the period f	rom
9		2013 to 2016?	
10		A. Sitting here right now I	do not
11		recall dates of these investigations. I	
12		obviously understand that investigations	
13		happened, leading up to the complaint, but	: I do
14		not know during which periods those	
15		investigations occurred.	
16	337	Q. Okay, I'm of course, read	ching
17		back a decade in time to 2013 to 2016 time	
18		frame, so let me just show you a couple of	:
19		documents that relate to that investigation	on.
20		A. Sure.	
21	338	Q. Start with a press releas	se
22		issued by the Competition Bureau on April	19,
23		2016. So pull that up. So here you have	a
24		press release issued by the Competition	
25		Bureau.	

	PUBLIC 132
1	You see the date is just below the
2	heading, "April 19th, 2016 in Ottawa."
3	And the title of the release is:
4	"Competition Bureau
5	completes extensive
6	investigation of Google.
7	Bureau continues to monitor
8	competition issues in the
9	digital economy."
10	So this is obviously announcing in
11	the first paragraph:
12	"The Competition Bureau
13	announced today that it is
14	closing its investigation into
15	a number of allegations of
16	anti-competitive conduct by
17	Google. These allegations
18	related to Google's online
19	search, search advertising and
20	display advertising services in
21	Canada."
22	A. Yes I see that.
23	Q. So I'm assuming this is the
24	first time you've seen this press release?
25	A. It is my first time I'm seeing

		PUBLIC	133
1		this press release.	
2	340	Q. And I take it that prior	to
3		attending to be examined today, you were n	.ot
4		aware that over a two or three-year period	
5		back in 2013 to 2016 the Competition Burea	u
6		did investigate the display advertising	
7		services provided by Google in Canada?	
8		A. Yeah, since my assignment	had
9		nothing to do with the merits, I did not l	ook
10		for any information about which investigat	ions
11		the Competition Bureau performed over the	years.
12	341	Q. Okay, and of course you	
13		understand right now I'm interested in the	
14		issue of detection and enforcement, so that	t's
15		the issue that I am now debating with you	
16		rather than the merits of the underlying	
17		allegations, but let me continue on.	
18		First of all, let's mark this	as
19		the next exhibit.	
20		A. I understand that we are	
21		talking about the topic of detection and I	'm
22		sure at some point you will make that clea	r.
23		At the moment, I'm still wait	ing
24		for that.	
25	342	Q. All right. Well your job	is

		PUBLIC 134
1		to wait and my job is to ask some questions
2		so
3		A. And I will patiently wait while
4		you ask your questions.
5	343	Q. Thank you very much.
6		EXHIBIT NO. 23: Competition
7		Bureau Press Release dated April
8		19, 2016 entitled 'Competition
9		Bureau completes extensive
10		investigation of Google'
11		BY MR. THOMSON:
12	344	Q. Let me show you the document
13		issued by the Bureau that accompanied this
14		press release, and that is the Bureau's
15		position statement of the same date,
16		April 19th, 2016, and my colleague will pull
17		that up on screen.
18		So here you will see a document
19		titled "Investigation into alleged
20		anti-competitive conduct by Google," and the
21		heading below that "Position Statement."
22		A. Yes.
23	345	Q. You will see the date is the
24		same date as the press release April 19th,
25		2016.

	PU	BLIC 135
1	A.	Yes, I see that.
2	346 Q.	And the first paragraph:
3		"Today, the Commissioner of
4	Cor	mpetition (Commissioner)
5	anr	nounced that he has
6	dis	scontinued an investigation
7	int	to allegations that Google
8	Inc	c.(Google) engaged in conduct
9	COI	ntrary to the abuse of
10	dor	ninance provisions of the
11	Cor	npetition Act (Act). This
12	sta	atement summarizes the
13	ext	tensive investigation
14	COI	nducted by the Competition
15	Bui	reau (Bureau) in its review
16	of	allegations that Google
17	eng	gaged in anti-competitive
18	bus	siness practices related to
19	onl	ine search, search
20	adv	vertising and display
21	adv	vertising services in
22	Car	nada."
23	Let	's start by marking this, before
24	I forget as the	next exhibit.
25		EXHIBIT NO. 24: Competition

		PUBLIC	136
1		Bureau Position Statement dat	ted
2		April 19, 2016 entitled	
3		'Investigation into alleged	
4		anti-competitive conduct by	
5		Google'	
6		BY MR. THOMSON:	
7	347	Q. And what I want to show	you,
8		Professor, is the part that deals with the	is
9		issue of dynamic allocation.	
10		So with respect to the scope	of the
11		investigation conducted by the Bureau, you	ı'll
12		find that summarized on page 2 of the post	ition
13		statement, under the Heading Investigation	n
14		background, where the position statement a	says:
15		"Following the receipt or	E
16		complaints, the Bureau opened	f
17		an inquiry in 2013 to	
18		investigate Google's conduct	
19		related to online search and	
20		search advertising. Over the	
21		course of this inquiry the	
22		Bureau received additional	
23		complaints regarding Google's	3
24		conduct in the online display	Y
25		advertising sector, which	

	PUBLIC	137
	prompted a further review."	1
	So a couple of points we ca	an easily
	agree on: This inquiry started in 2013 a	and came
	to an end in April of 2016, fair enough?	
	A. It appears that way, ye	es.
348	Q. And the investigation	
	concerned Google's conduct in the online	2
	display advertising sector which is the	same
	sector at issue in the current applicati	on
	before the Competition Bureau.	
	A. That is my understandir	ıg.
349	Q. Now, if we look at the	next
	paragraph, in terms of the breadth of th	ie
	investigation conducted by the Bureau, y	70u
	will see the position statement says:	
	"To properly test the	
	allegations, the Bureau too	ok a
	number of steps to determin	ie
	the relevant facts. The Bu	ıreau
	consulted with industry and	l
	economic experts and conduc	cted
	over 130 interviews with a	
	broad range of market	
	participants, including	
	competitors, publishers,	
		prompted a further review.' So a couple of points we cate agree on: This inquiry started in 2013 at to an end in April of 2016, fair enough? A. It appears that way, yet Q. And the investigation concerned Google's conduct in the online display advertising sector which is the sector at issue in the current application before the Competition Bureau. A. That is my understanding Q. Now, if we look at the paragraph, in terms of the breadth of the investigation conducted by the Bureau, yet will see the position statement says: "To properly test the allegations, the Bureau too number of steps to determine the relevant facts. The But consulted with industry and economic experts and conduction over 130 interviews with a broad range of market participants, including

			PUBLIC	138
1			advertisers, original equipme	nt
2			manufacturers, wireless	
3			carriers and firms that provi	de
4			online advertising solutions.	
5			The Bureau also analyzed a	
6			substantial volume of	
7			information collected from	
8			various stakeholders and	
9			obtained an order under secti	on
10			11 of the Act compelling Goog	le
11			to provide documents and	
12			written returns of	
13			information."	
14			So we can agree the Bureau di	d, in
15		fact, conduct	an extensive investigation i	nto
16		these allegat	tions about Google?	
17			A. It appears that way.	
18	350		Q. With respect to that last	
19		statement, th	nat the Bureau obtained an ord	er
20		under section	n 11 of the Act compelling Goo	gle
21		to provide do	ocuments and written returns o	f
22		information.		
23			If we turn to that order for	a
24		moment my col	lleague will pull up, you will	find
25		here an order	c issued by the Chief Justice	of the

	PUBLIC 139
1	Federal Court on December 24th of 2013. In the
2	case: The Commissioner of Competition versus
3	Google Canada Corporation. The title of the
4	order is "Order for the Production of Records
5	And Written Returns of Information."
6	Do you see that?
7	A. Yes, I do.
8	MR. THOMSON: Let's mark that as
9	the next exhibit.
10	EXHIBIT NO. 25: Order of
11	Chief Justice Crampton dated
12	December 24, 2013 for the
13	Production of Records and Written
14	Returns of Information
15	MR. GAY: Excuse me, maybe just
16	turn to the entire document. Give the witness
17	the benefit of seeing what the terms of the
18	order are.
19	MR. THOMSON: That's fine. If you
20	want to look about it. I'm not going to ask
21	about the substance or the order but you're
22	entitled to look at what this is.
23	MR. GAY: Right, maybe if
24	THE WITNESS: Could you kindly
25	remind me the definition of ex parte?

		PUBLIC 140	
1		BY MR. THOMSON:	
2	351	Q. In the absence of the other	
3		party. So Google was not present during the	
4		Commissioner's application to the Chief	
5		Justice for the order. The order was issued	
6		without Google knowing that the order was	
7		being applied for and it had no chance to make	
8		submissions.	
9		A. Thank you, I appreciate that.	
10		MR. GAY: Maybe turn down to the	
11		next page too.	
12		BY MR. THOMSON:	
13	352	Q. Now, I'm going to flip	
14		forward now into the issue of dynamic	
15		allocation.	
16		A. I do have one question,	
17		counsel, if I may.	
18	353	Q. Sure. Go ahead.	
19		A. If you could move back up a	
20		little further. There we go.	
21		The court further so number 2:	
22		"That the Respondent shall	
23		make and deliver to the	
24		Commissioner all written	
25		returns of information	

		PUBLIC	141
1		specified in this Order, in	
2		accordance with the terms of	
3		this Order."	
4		I know from both my own work	at
5		eBay and Amazon, as well as from cases tha	t
6		I've been an expert on, that companies wil	1
7		have internal records with the disclaimer	
8		typically in the subject line "Confidentia	1,"
9		"Privileged and Confidential, For Attorney	rs'
10		Eyes Only," or something like that. Are t	hose
11		documents often or ever provided under the	se
12		orders or not?	
13		A. So the way this process w	orks
14		is I get to ask questions and you get to a	nswer
15		them.	
16	354	Q. Okay, I just want to make	
17		sure I understand the context of this orde	er,
18		so that's why I am asking, so that if at s	ome
19		point you ask me a question for which this	
20		information is relevant, it would help me	
21		knowing the answer to that question but, o	f
22		course, we could wait and see if it become	:S
23		relevant later.	
24	355	Q. And that's what we'll do.	
25		MR. GAY: Mr. Thomson, I don'	t want

2.

2.1

2.3

PUBLIC

to interject. You've noticed I've been very, very cautious in interjecting, but this order relates to really to search, not display. And so it's a little misleading, I think, to suggest that this relates entirely to the case that's currently before the Tribunal. It is not.

I think if the witness was to take the time and actually read this, I think they'd be able to, I think, come to that conclusion.

But I think we have to be fair to the witness in asking that witness to draw conclusions as you've done, on really what is really apples and oranges.

BY MR. THOMSON:

Q. And I'm just showing the witness the section 11 referred to in the Bureau's position statement that I just read to him. I'm just trying to be fair to him. Anyway, it doesn't matter to me; I'm just moving on. Let me deal with the issue of dynamic allocation. You're familiar with the phrase "dynamic allocation"?

A. I'm familiar with the phrase, but I am not familiar with the exact workings of the technology.

Veritext 416-413-7755

		PUBLIC 143
1	357	Q. Okay, no worries. Did you
2		know that "dynamic allocation" is sometimes
3		referred to as "enhanced dynamic allocation"?
4		A. I am not aware that those terms
5		are interchangeable.
6	358	Q. Okay, let me show you, in
7		terms of the nature and scope of the
8		investigation conducted by the Competition
9		Bureau in this time frame, 2013 to 2016.
10		Turn to page 11 of the position
11		statement. I'm now focusing on the part of the
12		investigation dealing with the display
13		advertising space and Google's role in that
14		space.
15		So you will see a highlighted
16		paragraph.
17		A. I don't see a highlighted
18		paragraph, but if you direct me to the beginning
19		of it, I'll probably figure it out.
20	359	Q. It starts with the words
21		"Notwithstanding."
22		A. "Notwithstanding," yes I see
23		that.
24	360	Q. (Reading):
25		"Notwithstanding the

	PUBLIC 144	
1	uncertainty (surrounding)	
2	Google's market power in this	
3	space, the Bureau considered	
4	allegations that Google engaged	
5	in conduct to exclude rivals	
6	such as competing ad exchanges	
7	and demand-side platforms.	
8	Specifically, the Bureau	
9	examined allegations that	
10	Google engaged in the following	
11	conduct."	
12	And the one I'm interested in	
13	right now is the second one:	
14	"Enhanced Dynamic	
15	Allocation - implementing a	
16	software setting in DFP that	
17	unfairly advantages Google over	
18	competing ad exchanges."	
19	Do you see that?	
20	A. Yes, if I recall correctly just	
21	remind me, DFP is DoubleClick for publishers; am	
22	I getting that right?	
23	Q. That's a good memory. Yes	
24	you're right.	
25	A. Thank you.	

		PUBLIC 145
1	362	Q. And with respect to that
2		issue, the allegation investigated by the
3		Bureau in this time frame about dynamic
4		allocation or enhanced dynamic allocation, in
5		terms of what ultimately happens with that
6		investigation, if we look at the next page you
7		will see a heading "enhanced dynamic
8		allocation."
9		A. Yes.
10	363	Q. Which then describes the
11		nature of the initiative of Google, but in
12		terms of the result of all this, it's the next
13		paragraph "The information gathered"
14		"The information gathered
15		by the Bureau suggests that
16		there has been no exclusionary
17		effect on competing ad
18		exchanges"
19		A. If you don't mind, counsel, I'd
20		just like a moment to read the preceding
21		paragraph.
22	364	Q. Yeah, go ahead.
23		A. So just I can put things in
24		context.
25	365	Q. Go ahead.

Veritext 416-413-7755

		yy	
		PUBLIC	146
1		A. Thank you.	
2	366	Q. Just so we have it	for our
3		record, I might as well if you're	reading
4		it, I might as well read it into the	record.
5		So under the heading "2. Enhanced Dy	namic
6		Allocation." The Bureau's position	statement
7		says this:	
8		"When Google's DFP	receives
9		a request for an ad fro	m a
10		website, under certain	
11		circumstances Google's	Enhanced
12		Dynamic Allocation (EDA)
13		feature in DFP will che	ck AdX
14		(and only AdX) to see i	f any
15		advertisers are willing	to pay
16		more for the ad impress	ion. The
17		Bureau considered alleg	ations
18		that this gives AdX an	unfair
19		advantage because it gi	ves
20		Google a right of first	refusal
21		on valuable ad impressi	ons and
22		because it reduces the	number
23		of ad impressions avail	able for
24		competing ad exchanges	to bid

25

on. The Bureau also considered

PUBLIC 147 1 allegations that the EDA feature in DFP may disadvantage 2 publishers because DFP does not 3 check other ad exchanges to see 4 5 if they could obtain more value for their ad impressions." 6 7 In terms of the result, the next paragraph: 8 9 "The information gathered 10 by the Bureau suggests that there has been no exclusionary 11 12 effect on competing ad 13 exchanges as a result of EDA. 14 Moreover, publishers were not 15 generally concerned about EDA 16 owing to the benefits of the feature and the flexibility 17 they retain notwithstanding 18 19 EDA. In particular, publishers 20 suggest that EDA is beneficial 2.1 because it provides them with 2.2. an opportunity to increase 23 revenue. With respect to 2.4 flexibility, publishers 2.5 ultimately decide which ad

		PUE	BLIC	148
1		excl	nanges to use and can set	a
2		'pr	ice floor' for each ad	
3		excl	nange. Lastly, EDA is	
4		opt	ional, so publishers can	
5		dec	ide for themselves whether	
6		or i	not to use this feature in	
7		DFP	. "	
8		So t	two questions for you. Nu	mber
9		one, you will acc	cept, will you not, that	
10		Google's use of	enhanced allocation appear	s to
11		have been widely	known in this segment of	the
12		industry?		
13		Α.	It appears to be, yes.	
14	367	Q.	And you will accept that	the
15		Bureau's conclus	ion not to pursue an abuse	of
16		dominance case ag	gainst Google in relation	to
17		enhanced dynamic	allocation was announced	in a
18		highly public way	<i>!</i> •	
19		Α.	That is, indeed, the case	
20	368	Q.	And not just by way of a	
21		summary press re	lease, it was actually	
22		described in deta	ail in the Competition	
23		Bureau's quite he	elpful position statement	
24		issued in April,	2016.	
25		Α.	I would agree with that.	

		PUBLIC 149
1	369	Q. Now the second allegation,
2		second of three, that are left.
3		The tying together of Google's
4		ad tech tools and we'll see that that allegation
5		was also investigated by the Competition Bureau
6		in this period from 2013 to 2016, so staying
7		with the same document, the position statement
8		of the Bureau of April 19th, 2016 you will
9		see if you go to page 13 of this document
10		heading entitled "bundling," do you see that?
11		A. Yes, I do.
12	370	Q. And under that heading the
13		Competition Bureau says this:
14		"The Bureau also considered
15		allegations that Google offers
16		incentives to advertisers to
17		encourage them to use only
18		Google's services across the
19		display advertising ecosystem.
20		For example, complainants
21		alleged that Google uses
22		below-cost pricing and provides
23		incentives for advertisers that
24		use Google's demand-side platform
25		(DBM) to also purchase

	PUBLIC 150
1	inventory on Google's ad
2	exchange (AdX). These practices
3	allegedly foreclose the market
4	to competing demand-side
5	platforms.
6	Based on the information
7	collected by the Bureau, the
8	incentives that Google offers
9	to advertisers are marginal and
10	would not likely induce
11	exclusivity. Many advertisers
12	continue to use multiple
13	demand-side platforms to meet
14	their needs and there is no
15	evidence that rivals have been
16	excluded from competing
17	effectively as a result of such
18	incentives. The Bureau also did
19	not find evidence that these
20	practices substantially
21	lessened or prevented
22	competition in this market."
23	So a couple of questions for you.
24	Number one, you would accept, would you not,
25	that the decision of the Competition Bureau not

		PUBLIC	151
1		to pursue, this bundling allegation was ma	ade in
2		a highly public way?	
3		MR. GAY: You know, Mr. Thoms	son,
4		again, I only involve myself when, frankly	<i>y</i> , a
5		question is unfair.	
6		The conduct that's described	in
7		this document is not the conduct that the	
8		Commissioner is after in our case current	ly that
9		before the Tribunal.	
10		So asking the witness to draw	w links
11		or somehow suggest that this is conduct the	nat
12		was when indeed it isn't the same condu	uct, is
13		a problem for me. It's a very big problem	m.
14		It is completely unrelated to	o the
15		current tie-in claim, so I'm going to void	ce my
16		objection and it's not a fair question and	d it
17		is, frankly, not a question that I think	
18		characterizes what's said in this document	t with
19		what, in fact, is before the Tribunal in t	the
20		current notice of application.	
21		BY MR. THOMSON:	
22	371	Q. Well, we respectfully	
23		disagree and we're going to argue that pos	int
24		before the Tribunal and we'll ask the Trib	ounal
25		to draw its own conclusions when it compare	res

PUBLIC 152 the nature of the bundling allegations that 1 were made by the Bureau in the period from 2 2013 to 2016 with the allegations made by the 3 4 Commissioner in his notice of application, but that's an issue for a later day and we'll have 5 it out in front of the Tribunal. I'm seeking a very simple admission 7 from the good Professor Tadelis concerning a 8 simple issue which is: Professor, forget the 9 debate you've just heard --10 Mm-hmm. Α. 11 12 372 Q. -- as to what allegation is 13 being made here versus the allegation made in the Notice of Application to the Bureau. 14 15 With respect to the issue of 16 bundling, as described in this position statement, you would accept that the Bureau's 17 18 decision not to pursue that allegation by 19 commencing an abuse of dominance case against Google was made in a highly public way and 20 explained in detail in this position statement. 21 MR. GAY: I am going to -- I instruct the 22 REF witness not to answer that question. I think the 23 24 document speaks for itself. It's not related to the Notice of Application or the issues that we have 25

		PUBLIC	153
1		addressed or raised in our Notice of Application, and	d for
2		that reason I'm going to ask Dr. Tadelis not to answe	er
3		that question.	
4		BY MR. THOMSON:	
5	373	Q. Let me deal with the third of	
6		the the third and only remaining allegation	
7		made by the Commissioner in this case and that	
8		is Google's use of so-called unified pricing	
9		rules.	
10		You recall, Professor, I showed you	
11		that in Google's response at paragraph 247.	
12		This is the fourth matter raised by the	
13		A. Could you kindly raise that	
14		document, again? I just want to refresh my	
15		memory with the language.	
16	374	Q. Yeah certainly.	
17		A. Thank you also for calling me	
18		"good Professor."	
19		Everybody likes to be called a	
20		good boy.	
21		MR. THOMSON: Well you are good	
22		Professor. I'm quite sure of that. Let's look	
23		at Google's response. Turned to paragraph 247	
24		one last time.	
25		A. Yes, thank you. I'm looking at	

		PUBLIC	154
1		the paragraph. Tying together. Dynamic	
2	,	allocation. Project Bernanke and the	
3		implementation by Google of unified pricin	a
4		rules. Thank you very much, counsel.	
5	375	Q. And just so we have it	
6]	because I need to maintain a very clear	
7		record, so when this is read to the Tribun	al
8		they'll understand what we're talking abou	t.
9		What I'm interested in now is	
10]	paragraph 247 of Google's response under t	he
11		heading, "Google Has Not Engaged in a Prac	tice
12		of Anticompetitive Acts."	
13		It says:	
14		"The Commissioner has	
15		selectively put in issue in	
16		this Application four out of	
17		thousands of product	
18		innovations that Google has	
19		pursued in the period since to	he
20		emergence of Ad Tech some 25	
21		years ago. As noted above, th	e
22		four alleged anticompetitive	
23		acts are: (i) the tying	
24		together of Google's Ad Tech	
25		tools"	

	PUBLIC 155
1	We've dealt with that.
2	"(ii) the use by Google of
3	an innovative technology called
4	'Dynamic Allocation'"
5	Which we've dealt with.
6	"(iii) the use by Google of
7	an innovative feature known as
8	'Project Bernanke'"
9	Which we've also dealt with.
10	MR. GAY: Sorry, let me correct
11	here. You've dealt with enhanced dynamic
12	allocation; you have not dealt with dynamic
13	allocation, and there is a difference between
14	enhanced dynamic allocation and dynamic
15	allocation, so let's be very clear on that.
16	BY MR. THOMSON:
17	Q. And then the fourth is the.
18	"the implementation by
19	Google of (something called)
20	Unified Pricing"
21	Do you see that?
22	A. Mm-hmm.
23	Q. So I'm now on the last issue
24	which is the unified pricing rules.
25	A. Yes.

		PUBLIC 156
1	378	Q. Now let me take to you an
2		Article hosted on Google's web site that deals
3		with unified pricing rules.
4		And look, please, at pull up tab
5		my colleague will pull up something called
6		"Google Ad Manager" by Jason Bigler, who was, at
7		that point in time, the director of product
8		management of Google. And the headline of the
9		article is "An Update on First Price Auctions
10		for Google Ad Manager; " do you see that?
11		A. Yes, I do.
12	379	Q. And you see the date is
13		May 10 of 2019?
14		A. I see that.
15	380	Q. And just a couple of passages
16		of this, if I may. First paragraph says:
17		"We've heard from many of
18		our partners that they want our
19		help to simplify how they
20		manage their revenue from
21		advertising. That s why Google
22		Ad Manager will be
23		transitioning to a unified,
24		first price auction this year.
25		This change will simplify our

		PUBLIC 157	
1		publisher platform and create a	
2		fair and transparent auction	
3		for everyone, helping our	
4		partners create sustainable	
5		businesses with advertising."	
6		Then if we flip forward in the	
7		document to the last page, you will see the	
8		heading entitled, "How pricing rules will	
9		change."	
10		A. Yes, I see that.	
11	381	Q. And then it says in the next	-
12		paragraph:	
13		"In addition to impacting	
14		how publishers are using floor	
15		price rules, changing to a	
16		first price auction in Ad	
17		Manager requires a change in	
18		how our rules function. Our	
19		existing price rules that only	
20		apply to our second price	
21		auction will no longer work in	
22		a first price auction."	
23		Then it goes on to say:	
24		"That's why we released a	
25		new feature to all publishers	

	PUBLIC 158
1	globally, called unified
2	pricing rules. Our new unified
3	pricing rules will help
4	publishers more easily manage
5	floor prices across all
6	(guaranteed) (sic) partners."
7	And if you skip down a paragraph,
8	you will see how this document includes a quote
9	from Alex Payne, the Vice President of Global
10	Programmatic Solutions at VICE Media.
11	The first sentence of the quote:
12	"We welcome Google's move
13	to first price auctions and
14	unified pricing rules."
15	Then skipping down to the last
16	paragraph on the page:
17	"The switch to unified
18	pricing rules and a unified
19	first price auction will help
20	our partners simplify how they
21	manage advertising revenue and
22	increase transparency for
23	everyone in the ecosystem."
24	So Google's announcement of the
25	implementation of unified pricing rules was done

		PUBLIC 159
1		in quite a public fashion?
2		A. Are these rules the exact rules
3		that are in the complaint?
4	382	Q. I believe they are.
5		A. If they are the exact rules, it
6		seems that they are making them public. If they
7		are not, then they're making something else
8		public.
9	383	Q. Now the let me oh, let's
10		mark that as the next exhibit, Exhibit 26.
11		EXHIBIT NO. 26: Google
12		Webpage entitled 'An update on
13		first price auctions for Google
14		Ad Manager'
15		MR. THOMSON: Professor, it's ten
16		to 3:00. Do you want to take a quick break
17		here?
18		THE WITNESS: Okay, roughly how
19		much longer do we have?
20		MR. THOMSON: Probably an hour.
21		THE WITNESS: Okay, quick break now
22		would be wonderful.
23		RECESS TAKEN AT 2:51 P.M.
24		UPON RESUMING AT 3:06 P.M.
25		BY MR. THOMSON:

		PUBLIC 160
1	384	Q. Welcome back, Professor.
2		A. As to you, Mr. Thomson.
3	385	Q. Let me put a proposition to
4		you, in your capacity as a neutral independent
5		expert and see if we can reach a consensus.
6		And, again, I'm dealing with this issue of
7		probability of detection and enforcement.
8		So here's the proposition that I
9		hope we can find a common ground on: you would
10		agree, would you not, that the probability of
11		detection in relation to anti-competitive
12		conduct would increase if the enforcement agency
13		in question were to proactively go out and
14		solicit and encourage filing of complaints,
15		rather than sit back passively and wait to
16		receive complaints, if and when they're filed?
17		A. We are focused only on the
18		probability of detection; not the probability of
19		enforcement.
20	386	Q. Because, of course,
21		enforcement depends on the merits of the
22		complaints, right?
23		A. That statement seems correct to
24		me.
25	387	Q. Now, let me show you what

		PUBLIC	161
1		happened with the Bureau in this part of t	he
2		economy in Canada in 2019, and ask you to	turn
3		up	
4		A. Let me just add a qualifi	cation
5		to my statement because I want to be preci	se.
6		If the baseline probability o	f
7		detection is a hundred per cent, then it	
8		cannot rise, no matter what efforts are th	ere.
9		If the baseline probability o	f
10		detection is lower, especially significant	ly
11		low, then any efforts to proactively encou	rage
12		complaints would, most likely, somewhat	
13		increase the probability of detection.	
14	388	Q. Let me show you what happ	ened
15		in 2019. First, just to complete the stor	y of
16		what happens with the Bureau and Google in	
17		2016, I'll take you back one last time to	the
18		position statement issued by the Bureau on	
19		April 19, 2016, so let me have my colleagu	e
20		pull that up. You may recall just before	the
21		break we looked at this document.	
22		This is the Bureau's position	
23		statement of April 19th, 2016, entitled:	
24		"Investigation into alleged anti-competiti	ve
25		conduct by Google."	

PUBLIC 162 And I showed you portions where the 1 2. Bureau said we are not going to proceed to launch an abuse of dominance case against 3 Google, but the Bureau did keep its feet in the 4 5 water, as they say, so at the end of the statement on page 14 under the heading 6 7 "Conclusion" the Bureau says this: "The Bureau conducted an 8 extensive investigation into 9 allegations that Google engaged 10 in a variety of 11 12 anti-competitive business 13 practices related to online 14 search, search advertising and 15 display advertising services in Canada. For the reasons set out 16 17 above, the Bureau concluded 18 that there is inadequate

above, the Bureau concluded
that there is inadequate
evidence to support a
conclusion that
Google's conduct, outside its
practices related to the
AdWords API Terms and
Conditions, was engaged in for
an anti-competitive purpose

19

20

2.1

22

2.3

24

25

		PUBLIC	163
1		and/or that the conduct	
2		substantially lessened or	
3		prevented competition in	
4		Canada."	
5		And then skipping down to the	next
6	paragraph:		
7		"The digital economy,	
8		including the increasing	
9		competitive significance of	
10		data, will continue to play a	
11		crucial role for Canadian	
12		businesses and consumers.	
13		Robust competition policy and	
14		enforcement in this sector wi	11
15		nurture a competitive and	
16		innovative Canadian	
17		marketplace.	
18		The Commissioner makes hi	S
19		enforcement decisions based o	n
20		the available evidence. The	
21		Bureau will closely follow	
22		developments with respect to	
23		Google's ongoing	
24		conduct, including the results	
25		from investigations of our	

			PUBLIC	164
1			international counterparts.	
2			More generally, the Bureau wi	11
3			continue actively monitoring	
4			the digital marketplace. Shou	.ld
5			new evidence come to light of	
6			harm in the Canadian	
7			marketplace, whether through	
8			subsequent complaints or the	
9			Bureau's ongoing monitoring	
10			efforts, the Bureau will not	
11			hesitate to take appropriate	
12			action."	
13			So, as of April 2016 the Bure	au
14		made clear th	nat it was going to continue t	0
15		evaluate the	digital marketplace, includin	.g
16		Google's cond	duct in it, fair enough?	
17			A. That seems to be what's w	ritten
18		here.		
19	389		Q. Okay let's fast forward t	hree
20		years and see	e what happens. Let me show y	ou
21		just two docu	nments that will assist you in	
22		understanding	g the initiative the Competiti	on
23		Bureau pursue	ed in 2019.	
24			So, first, a press release is	sued
25		by the Bureau	on September 4th of 2019 ent	itled

			PUBLIC	165
1		"Competition	Bureau calls for businesses t	0
2		report potent	tially anti-competitive conduc	t in
3		the digital e	economy."	
4			You will see this is a news r	elease
5		of September	4th of 2019. Do you have tha	t date
6		just below th	ne heading?	
7			A. I see that, yes.	
8	390		Q. It says this:	
9			"The Competition Bureau h	.as
10			published a call-out for	
11			information from Canada s	
12			business community about	
13			conduct in the digital econom	У
14			that may be harmful to	
15			competition.	
16			The Bureau is seeking	
17			information from businesses a	nd
18			other interested parties	
19			regarding certain strategies	
20			that firms may use to hinder	
21			competition in certain core	
22			digital markets, such as onli	ne
23			search, social media, display	
24			advertising and online	
25			marketplaces."	

		PUBLIC	166
1		Do you have that?	
2		A. Yes.	
3	391	Q. And then well, l	et's start
4		by marking that as an exhibit. It's	
5		Exhibit 27.	
6		EXHIBIT NO. 27: Com	petition
7		Bureau Press Release da	ted
8		September 4, 2019 entit	led
9		'Competition Bureau cal	ls for
10		businesses to report po	tentially
11		anti-competitive conduc	t in the
12		digital economy'	
13		BY MR. THOMSON:	
14	392	Q. And then let's look	at the
15		Bureau's call-out issued the same da	y. Pull
16		that out, that document up so you wi	ll see the
17		very same date the Bureau issues a d	ocument
18		entitled, "Competition bureau call-o	ut to
19		market participants for information	on
20		potentially anti-competitive conduct	in the
21		digital economy." And the first bul	let says:
22		"The Competition Bu	reau
23		(Bureau) is seeking inf	ormation
24		from market participant	s about
25		conduct in the digital	economy

	PUBLIC 167
	PUBLIC 167
1	that may be harmful to
2	competition."
3	Then below that, skipping down to
4	the next paragraph: "Competition issues in the
5	digital economy."
6	"The Bureau is examining
7	concerns that certain core
8	digital markets, like online
9	search, social media, display
10	advertising and online
11	marketplaces, have become
12	increasingly concentrated, to
13	the detriment of consumers and
14	businesses.
15	The Bureau is seeking
16	information from the market to
17	understand whether, and if so
18	why, this is the case."
19	Then it goes on for the next number
20	of pages.
21	Were you aware of this initiative?
22	A. Sitting here right now, I do
23	not recall being aware of this in initiative.
24	MR. THOMSON: Okay, can we mark
25	that as the next exhibit.

		PUBLIC 168	
1		EXHIBIT NO. 28: Competition	
2		Bureau Paper entitled	
3		'Competition Bureau call-out to	
4		market participants for	
5		information on potentially	
6		anti-competitive conduct in the	
7		digital economy'	
8		BY MR. THOMSON:	
9	393	Q. Now in terms of participation	
10		in this call-out, the Bureau deals with that	
11		in its next report. That's the annual report	
12		from 2019 to 2020, so let's pull that up.	
13		Here you'll find the Competition	
14		Bureau's annual report for 2019 and 2020	
15		entitled, "Our year in action, safeguarding	
16		competition in a digital world."	
17		I take it you've never seen this	
18		document before?	
19		A. I don't believe I have.	
20	394	Q. And let's mark that as the	
21		next exhibit, so we have it.	
22		EXHIBIT NO. 29: Competition	
23		Bureau Canada annual report for	
24		2019/2020, entitled Our Year in	
25		Action: Safeguarding Competition	

			PUBLIC	169
1			in a Digital World	
2			BY MR. THOMSON:	
3	395		Q. And the part I wanted to	take
4		you to is at	page 9 of the annual report u	nder
5		the heading,	"Calling on businesses to rep	ort
6		anti-competit	tive conduct in the digital	
7		economy."		
8			Then it goes on to say:	
9			"In September 2019, we	
10			called on Canadian businesses	
11			to provide us with informatio	n
12			on potentially anticompetitiv	e
13			conduct in the digital econom	У•
14			Over 25 businesses and busine	ss
15			associations responded to our	
16			call-out. Some of the issues	
17			highlighted in our call-out	
18			included business strategies	
19			that may harm competition, su	ch
20			as: refusals to deal,	
21			self-preferencing, margin	
22			squeezing and creeping	
23			acquisitions.	
24			The information we receiv	ed
25			may be used to inform and	

		PUBLIC	170
1		support future investigations	
2		into alleged anti-competitive	
3		conduct in digital markets."	
4		So it appears that around 25	
5		businesses or business associations did re	spond
6		to the Bureau's call-out?	
7		A. It appears that way.	
8	396	Q. And then in terms of the	
9		sequence of events that followed from this	,
10		let me show you two events that then happe	ned
11		involving Google.	
12		The first is I'm going to	show
13		you an affidavit filed by a woman named	
14		Stephanie Gallardi (sic), October 12th of	2021
15		in support of an application for what is k	nown
16		as a section 11 order against Google.	
17		First of all, do you know wha	t the
18		phrase "section 11" order means? Do you k	now
19		what I'm talking about?	
20		A. No, I do not.	
21	397	Q. So section 11 of the	
22		Competition Act provides for compulsory	
23		investigations and the Commissioner of	
24		Competition can apply ex parte, so without	the
25		other side being present to a judge of the	

		PUBLIC	171
1		Federal Court for an order that requires t	he
2		respondent to then produce documents, subm	nit
3		returns of information under oath and so o	on.
4		That is known in Canada as a section 11 or	der.
5		A. Got it.	
6	398	Q. So what I want to show yo	ou
7		now is an affidavit that the Competition	
8		Bureau relied upon to obtain a section 11	
9		order against Google that was issued on	
10		October 22 of 2021.	
11		A. So I'm putting things in	
12		context, is this what led to the investiga	ition
13		that resulted in the complaint that we are	
14		discussing, for which Dr. Hylton's report	
15		discusses penalties?	
16	399	Q. I'm going to ask you	
17		questions about that. So, let's take it o	one
18		step at a time then.	
19		I'm going to ask you some que	estions
20		about that very issue. So let's start wit	h the
21		affidavit of Ms. Gallardi (sic) and my col	league
22		will pull that up. Sorry, I've got the wr	ong
23		name. It's Guitard. I said "Gallari.: I	t's
24		actually Guitard. So Stephanie Guitard,	
25		G-U-I-T-A-R-D.	

		PUBLIC	172
1		You will see this affiday	it was
2		affirmed on October 12th, 2021?	
3		A. Yes.	
4	400	Q. And the part I'm inte	rested
5		in is paragraph 6, top of page 3 that	says:
6		"On December 18, 2020	, the
7		Commissioner commenced an	L
8		inquiry under subparagrap	h
9		10(1)(b)(ii) of the Act o	n the
10		basis that he has reason	to
11		believe that grounds exis	t for
12		the making of an order un	der
13		Part VIII of the Act,	
14		specifically pursuant to	
15		sections 77 and 79."	
16		And 79 is the abuse of do	minance
17		provision you have read?	
18		A. 79 I have read.	
19	401	Q. So, my question for y	ou is:
20		do you know what prompted the Commissi	oner to
21		commence this inquiry on December 18th	of
22		2020?	
23		A. No I am not aware of	what
24		prompted this investigation.	
25	402	Q. Okay, is this the fir	st time

		PUBLIC 173
1		you are seeing this affidavit?
2		A. I believe it is. This is the
3		affidavit of so-called Ms. Guitard?
4	403	Q. Yes.
5		A. You are from Ontario, I won't
6		blame you for not pronouncing French names
7		correctly.
8	404	Q. Thank you for that. You are
9		being very generous.
10		A. I am originally from Quebec
11		so
12	405	Q. Oh, you are. I didn't know
13		that. I hadn't appreciated you had Canadian
14		roots.
15		A. I do and I'm very grateful for
16		them.
17	406	Q. No wonder you are such a nice
18		guy. Let's mark that as the next exhibit.
19		Okay.
20		EXHIBIT NO. 30: Affidavit of
21		Stephanie Guitard, dated October
22		12, 2021
23		BY MR. THOMSON:
24	407	Q. Okay, just to complete the
25		story you probably won't be able to help me

		PUBLIC 174
1		with this either, but this affidavit then did
2		result in what we have come in this case to
3		know as the first section 11 order and my
4		colleague will pull that up.
5		So, I'm showing you now, Professor,
6		a section 11 order issued by Justice Little of
7		the Federal Court on October 22, 2021 involving
8		the Commissioner's investigation of Google and
9		this is in the context of the matter that
10		ultimately resulted in the commencement of the
11		application that we're wrestling with now.
12		MR. GAY: No, that's, in fact
13		incorrect, Mr. Thomson. And this is in relation
14		to YouTube and not in relation to the
15		allegations that are currently made in the
16		Notice of Application.
17		I mean you are free to ask him
18		questions about that but let's represent the
19		document for what it is.
20		BY MR. THOMSON:
21	408	Q. Have you seen this document
22		before, Professor?
23		A. Not to the best of my
24		knowledge, no.
25	409	Q. Okay and did the Bureau

		PUBLIC 175
1		discuss with you this order as part of the
2		background that led to the commencement of the
3		application.
4		A. We have not discussed this
5		order.
6	410	Q. Has that been marked? Let's
7		mark that as the next exhibit.
8		EXHIBIT NO. 31: Order of
9		Justice Little dated October 22,
10		2021 to Produce Records and Make
11		and Deliver Written Returns of
12		Information
13		BY MR. THOMSON:
14	411	Q. Let's talk more generally
15		forget Google for a moment, but talk about the
16		Bureau generally. You are obviously aware
17		that the Competition Bureau is the principle
18		independent agency responsible for
19		administering and enforcing the Competition
20		Act in Canada?
21		A. Yes, I'm aware of that.
22	412	Q. And can we agree that the
23		Competition Bureau does a good job of
24		communicating fairly and accurately with the
25		people of Canada concerning its activities on

		PUBLIC	176
1		a timely basis?	
2		MR. GAY: I don't know that the	he
3		witness can speak to that. I mean whether	it
4		communicates is one thing. Whether it does	s so
5		effectively is a matter of opinion.	
6		I mean I don't know if Mr. Tao	delis
7		is in a position, really, to comment on the	9
8		adequacy of communications (indiscernib)	le)
9		(overspeaking)	
10		THE WITNESS: The answer	
11		MR. GAY: authority.	
12		THE WITNESS: The answer I was	S
13		going to give is "I hope so," but I can't	say
14		BY MR. THOMSON:	
15	413	Q. I was trying to get you a	
16		compliment, Alex.	
17		MR. GAY: I know you are, but	as
18		nice as you are, you know, Kent, I don't kn	now if
19		that's a fair question.	
20		BY MR. THOMSON:	
21	414	Q. Let me ask you this: do yo	ou
22		know if the Competition Bureau maintains a	
23		website?	
24		A. Yes, I am definitely aware	e of
25		that.	

	PUBLIC 177	
415	Q. And you'd agree that that	
	website is accessible to anyone in this	
	country who has access to the internet?	
	A. And probably anyone over the	
	world, who has access to the internet. The	
	question is how many people actually take the	
	time to go read it?	
416	Q. Well, we're about to find	
	out. And the team that can access that	
	website would include both individuals and	
	businesses, fair enough?	
	A. Fair enough.	
417	Q. Now, do you know this or are	
	you aware of this that the Competition Bureau	
	also goes to some lengths to ensure that its	
	complaint processes and procedures are readily	
	accessible and understandable?	
	A. I would assume as much. I	
	don't know it as a fact.	
418	Q. Okay, well let me show you	
	just one or two documents that will shed light	
	on some of this.	
	First, let's turn to a document	
	entitled, "Share information with the	
	Competition Bureau," posted on the Bureau's	
	416	Q. And you'd agree that that website is accessible to anyone in this country who has access to the internet? A. And probably anyone over the world, who has access to the internet. The question is how many people actually take the time to go read it? Q. Well, we're about to find out. And the team that can access that website would include both individuals and businesses, fair enough? A. Fair enough. Q. Now, do you know this or are you aware of this that the Competition Bureau also goes to some lengths to ensure that its complaint processes and procedures are readily accessible and understandable? A. I would assume as much. I don't know it as a fact. Q. Okay, well let me show you just one or two documents that will shed light on some of this. First, let's turn to a document entitled, "Share information with the

		PUBLIC 178
1		website.
2		So here you'll find a document on
3		the website entitled, "Share information with
4		the Competition Bureau."
5		You will see the date of the
6		document, the date it was accessed on the
7		website is on the top left-hand corner, July
8		A. Yes I see it, yes.
9	419	Q. July 27th, 2025.
10		A. Mm-hmm.
11	420	Q. So, about two days ago.
12		A. Yep, someone was working on a
13		Sunday.
14	421	Q. I guarantee you it was not
15		me.
16		A. I'm sure it wasn't.
17	422	Q. And you will see if you
18		scroll halfway down the page, it says, you can
19		share information about suspicions of
20		anti-competitive conduct, collusion, deceptive
21		marketing practices and so on, and then how to
22		file a report. Next heading.
23		"Online via our website,
24		over the phone, by email."
25		A. May I ask just a clarifying

		PUBLIC	179
1		question: I'm assuming that the underlying	
2		underlined words that I see under, "you can	n
3		share information about" those would be	links
4		to explain to people what anti-competitive	or
5		collusion are; is that correct?	
6	423	Q. That's correct, yes.	
7		A. Okay, but there is no link	ζ
8		under "online via our website;" is that con	rrect?
9	424	Q. Not on that part of the	
10		document.	
11		A. Got it, I'm just trying to)
12		establish	
13	425	Q. And let me show you a link	۲.
14		So just to answer your question directly,	look
15		at the page 3 of the document under the bold	ld
16		heading, "Get in touch it's quick and ea	asy,
17		exclamation point. All bold. And then below	N
18		that we're here to help.	
19		Your questions and feedback as	re
20		important to us. We'll address them as qui	ickly
21		as possible and the first bullet is Compet:	ition
22		"bureaucanada.ca" with a link?	
23		A. Yes I see that.	
24	426	Q. And then below that a 1-80	0 0
25		number and then two other numbers. One to	

		<u> </u>
		PUBLIC 180
1		report cheating in federal contracts and one
2		for hearing impaired people?
3		A. I see that.
4	427	Q. So you would accept that the
5		Competition Bureau does, in fact, make efforts
6		to ensure that its complaint processes and
7		procedures are readily accessible and
8		understandable?
9		A. And just to make sure I
10		understand, this would be the way in which the
11		so-called 25 businesses followed with complaints
12		in the previous document that you've just showed
13		me?
14	428	Q. I don't know. I can't answer
15		that question.
16		A. I see.
17	429	Q. But I'm going to ask you a
18		more basic question on that.
19		A. Okay.
20	430	Q. Based on its website
21		A. Yes.
22	431	Q. Based on its posting, the
23		Competition Bureau goes to some lengths to
24		ensure that its complaint processes and
25		procedures are readily accessible and

		PUBLIC 181
1		understandable.
2		A. It appears that way.
3	432	Q. Now, if you look at let's
4		mark that as an exhibit. We haven't already.
5		Exhibit 32.
6		EXHIBIT NO. 32: Competition
7		Bureau webpage entitled 'Share
8		information with the Competition
9		Bureau'
10		BY MR. THOMSON:
11	433	Q. Let me now try to help you
12		answer your own question which is: Do people
13		actually access the website?
14		So, I've already shown you one or
15		two examples of the Competition Bureau's annual
16		report.
17		Let me show you an annual report
18		this time more recently for the year 2023 and
19		2024. So here you'll find another annual report
20		of the Competition Bureau, this time entitled
21		"Empowering Competition, a Landmark Year."
22		Do you have that?
23		A. I do.
24	434	Q. Okay and if we look at page 7
25		of the annual report, you will find a series

		PUBLIC 182
1		of four boxes.
2		A. Yes.
3	435	Q. And under the heading
4		"Outreach," bottom left-hand corner; do you
5		have that box?
6		A. Yes.
7	436	Q. It indicates that in that
8		year, there were 916,711 web visits, 103
9		publications and 147 presentations and
10		speeches. So you'd accept that a number of
11		people, in fact, did visit the Bureau's
12		website during that year?
13		A. Yes, I just wouldn't know of
14		those close to 1 million web visits how many
15		were bots and how many were actual individuals,
16		but clearly they were close to a million clicks
17		on the website that could either be from bots or
18		individuals.
19	437	Q. Right. And why are you
20		raising bots? You have no idea whether a bot
21		ever accessed this website, do you?
22		A. Of course not.
23	438	Q. And in terms of the types of
24		complaint that the Bureau receives, the Bureau
25		also, as it turns out, keeps track of that

		PUBLIC	183
1		issue.	
2		So let's look at a different	
3		document issued by the Bureau and have my	
4		colleague pull this up.	
5		This is something called the	
6		"Competition Bureau Performance Measurement	t &
7		Statistics Report for 2024-2025."	
8		Do you have that?	
9		A. Yes, I do. Do you minding	3
10		going back to the previous page. There is	
11		something there that confused me. I just w	want
12		to make sure that I'm holding all the right	t
13		numbers in my head as we're moving forward	
14		Thank you for indulging me.	
15	439	Q. You're talking about the	
16		annual report now?	
17		A. Yeah, yeah, exactly this p	page.
18		So I recall that you showed me a previous	
19		document that said there were 25 businesses	s that
20		followed with a complaint and here there as	re
21		5,113 complaints received.	
22		I'm just trying to put those	
23		numbers in context and understand how they	
24		relate to each other, if at all.	
25	440	Q. You've got two completely	

		PUBLIC 184
1		different timeframes. One was in 2019
2		A. Okay.
3	441	Q dealing with the Bureau's
4		call-out.
5		A. Got it.
6	442	Q. It did not say that the
7		Bureau had received 25 complaints; it said 25
8		businesses or organizations had engaged in the
9		Bureau's call-out.
10		A. I understand, okay.
11	443	Q. So now let's go to this
12		document.
13		A. Thank you for clarifying that,
14		counsel.
15	444	Q. My pleasure. So this is the
16		Competition Bureau Performance Measurement and
17		Statistics Report 2024, 2025. And you will
18		see the heading just below that is, "Term 2
19		(October 1, 2024 - March 31, 2025)."
20		And to understand why it's
21		referring to term 2, you've got to read down
22		into the ensuing paragraph. It says:
23		"The Competition Bureau's
24		Performance Measurement and
25		Statistics Report (or the PMSR)

		PUBLIC 185
1		demonstrates progress towards
2		the Bureau's priorities and
3		commitments by publicly
4		reporting on the Bureau's
5		performance data on a
6		semi-annual basis broken down
7		into Term 1 (April 1, 2024
8		September 30, 2024) and Term 2
9		(October 1, 2024 March 31,
10		2025)."
11		A. Mm-hmm.
12	445	Q. Then it goes on to say:
13		"In support of the Bureau's
14		commitment to enhance its
15		performance measurement
16		framework"
17		A. Performance measurement and
18		Statistics Report.
19	446	Q. Yeah.
20		"includes results for
21		the 2024-2025 commitments and
22		on the Bureau's performance in
23		the areas of enforcement,
24		advocacy, outreach compliance
25		and collaboration."

		PUBLIC 186
1		So what I'm interested in is the
2		types of complaints the Bureau received during
3		term 1, so, again, term 1 was April 1, 2024 to
4		September 30, 2024.
5		A. Mm-hmm.
6	447	Q. And you will find the answer
7		on the next page.
8		You will see a heading called,
9		"Highlights for Term 1."
10		A. Yes.
11	448	Q. And then there is a series of
12		six boxes below that.
13		The one that I'm interested in
14		two boxes. One is scroll down. There. So,
15		complaints and requests for information, you
16		will see that in that first term the Bureau
17		received 2,877 complaints.
18		A. Yes.
19	449	Q. And then beside that, "Top 5
20		complaints by business conduct."
21		Number one is "False or misleading
22		representations" and the second is "Abuse of
23		dominance"?
24		A. Yes I see that.
25	450	Q. So apparently a number of

		PUBLIC 1	87
1		complaints that the Bureau received in that	
2		timeframe concerned allegations of abuse of	
3		dominance.	
4		A. Yes, I see that.	
5	451	Q. And then if you look at ter	:m
6		2, highlights for term 2, again that's a	
7		period of October 1, 2024 and March 31, 2025	÷
8		you will see the same boxes. Scroll to the	
9		next page.	
10		Again, complaints and requests	for
11		information so in that six-month period, 4,2	14
12		complaints received and, again, the second of	of
13		the top five complaints about business condu	ıct
14		was an prohibition where abuse of dominant	
15		position. So abuse of dominance complaints;	
16		fair enough?	
17		A. Yes.	
18	452	Q. Okay, let's mark that as th	ıe
19		next exhibit.	
20		MS. McMASTER: We need to mark	the
21		report first.	
22		MR. THOMSON: Oh, sorry, okay.	
23		MS. McMASTER: Annual report fo	r
24		2023 - 2024, will be Exhibit 33.	
25		EXHIBIT NO. 33: Competition	1

		PUBLIC	188
1		Bureau Canada Annual Report	
2		2023-24 Empowering Competition	n A
3		Landmark Year.	
4		MS. McMASTER: This document	will
5		be Exhibit 34.	
6		EXHIBIT NO. 34: Competi	tion
7		Bureau report dated July 24,	2025
8		entitled 'Competition Bureau	
9		performance measurement &	
10		statistics report 2024-2025'	
11		BY MR. THOMSON:	
12	453	Q. This document, again, is	the
13		Competition Bureau performance measurement	and
14		statistics report for 2024 and 2025, the d	ate
15		of which is July 24, 2025.	
16		Okay, am I right that sitting	here
17		today, are have not identified in your rep	ort
18		even a single abusive dominance case, the	
19		Competition Bureau should have pursued but	did
20		not?	
21		A. That is correct.	
22	454	Q. Now, I think I'm on to ju	st
23		about my last topic, which I'm sure you'll	be
24		relieved to be rid of me.	
25		A. Oh, I'm actually enjoying	your

		PUBLIC	189
1		questions. They are precise, for the mostp	art
2		and even though maybe not on topic, interes	sting.
3	455	Q. Okay. We'll debate the	
4		relevance at a later stage in front of	
5		somebody other than you, but I appreciate	
6		that. If we turn back to your report, one	of
7		the topics that you address in your report	
8		concerns the manner in which you believe th	ıe
9		Competition Tribunal would determine the	
10		sanctions it will impose on Google if	
11		liability is ultimately found; do you recal	.1
12		that?	
13		A. That is correct, yeah.	
14	456	Q. And just to pick an exampl	.e
15		if we look at the body of your report and l	.ook
16		at paragraph 54, you talk about that subjec	t.
17		A. Yes, that is correct.	
18	457	Q. And if we look at the last	-
19		paragraph of your report, you say this:	
20		"I understand that this	
21		process"	
22		That's the process that you	
23		envisage for the Tribunal to follow.	
24		You say:	
25		"I understand that this	

		PUBLIC 190
1		process is consistent with how
2		the European competition
3		authorities calculate antitrust
4		penalties."
5		Do you see that?
6		A. I recall that. I just don't
7		see it in front of me at the moment.
8	458	Q. Oh, sorry, it's the last
9		sentence in paragraph 54.
10		A. Oh, yes.
11	459	Q. So just, again, just to put
12		this in context so you've now described in
13		that paragraph the approach that you believe
14		the Tribunal would follow in determining the
15		sanction to be imposed against Google, if
16		liability were to be found and in that last
17		sentence you say:
18		"I understand that this
19		process is consistent with how
20		the European competition
21		authorities calculate antitrust
22		penalties."
23		A. That is correct. That was my
24		understanding.
25	460	Q. And I assume you stand by

		<u> </u>	
		PUBLIC	191
1		that position?	
2		A. I always reserve the righ	t to
3		modify my opinion, if presented with mater	ial
4		that I either missed or misinterpreted, bu	t,
5		right now, sitting here, I don't see any r	eason
6		not to stand behind what I said.	
7	461	Q. Okay, and you'll see that	
8		there's a footnote at the end of that	
9		paragraph, footnote 73.	
10		A. Yes, I think that cites	
11		something from the DMCMA. Yeah, that's ri	ght.
12	462	Q. And I just want to look -	-
13		one of the documents you cite in footnote	73,
14		so if we scroll down to the bottom of the	page
15		one of the documents you cite is the Europ	ean
16		Union?	
17		A. Yes.	
18	463	Q. Called, "Guidelines on th	е
19		method of setting fines imposed pursuant t	0
20		Article 23(2)(a) of regulation No. 1/2003"	?
21		A. Yes, I see that.	
22	464	Q. I just want to explore th	at
23		with you briefly to see if we can reach a	
24		consensus and educate the Tribunal as to w	hat
25		that footnote involves.	
	1		

			PUBLIC	192
1		:	So let me show you the docume	nt
2		that I believe	e to be the guidelines you've	
3		referred to in	n that footnote.	
4		:	I'm going to have my colleagu	e pull
5		those up. Aga	ain, if you compare the title	on
6		this document	to the title that you've ins	erted
7		in footnote 73	3, footnote 73 refers to guid	elines
8		on the method	of setting fines imposed pur	suant
9		to Article 23	(2)(a) of Regulation No. 1/2	023.
10		1	And I believe you'll find an	
11		identical head	ding.	
12		i	A. Yes, I do see that.	
13	465	(Q. So am I right that these	are
14		the guidelines	s that you referred to in	
15		footnote 73?		
16		i	A. They indeed appear to be.	
17	466	(Q. Okay, let's mark these as	the
18		next exhibit.		
19			EXHIBIT NO. 35: Guideline	s on
20		1	the method of setting fines	
21		-	imposed pursuant to Article 2	3
22			(2)(a) Regulation No 1/2003	
23		ā	article from Official Journal	of
24		1	the European Union	
25		1	BY MR. THOMSON:	

		PUBLIC 193
1	467	Q. Now, let's start, if we may,
2		Professor, by seeing if we can explain to the
3		Competition Tribunal this reference to Article
4		23(2)(a) of Regulation No 1/2003.
5		Do you see that in the heading of
6		the guidelines?
7		A. Yes, I see that.
8	468	Q. So, I just wanted to explore
9		what is Article 23 (2)(a) of this regulation
10		and how does that have any application here,
11		so if we turn up the next document which is
12		the regulations. So it's Article 23(2)(a) of
13		Regulation No. 1/2003. Let's look at what
14		Article 23(2)(a) of Regulation No. 1/2003
15		says.
16		That's the next document that my
17		colleague has pulled up titled, conveniently
18		"Council Regulation No. 1/2003."
19		Do you see that?
20		A. It's Council Regulation (EC) No
21		1/2003."
22		Yes I see that.
23	469	Q. So this is the regulation
24		that contains Article 23(2)(a).
25		Let's now look at Article 23(2)(a)
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		PUBLIC 195
1	473	Q. This is 23(2)(a).
2		A. Oh now two. I've got it. Yes,
3		I see that.
4	474	Q. So just so again, Article
5		23(2)(a) of this regulation says:
6		"The Commission may by
7		decision impose fines on
8		undertakings and associations
9		of undertakings where, either
10		intentionally or negligently
11		(a) they infringe Article
12		81 or Article 28 of the
13		treaty."
14		A. Yes.
15	475	Q. The other question is: what
16		is the treaty?
17		So if we go back now to the second
18		page of the same regulation. Page 2.
19		This is now under the heading
20		"Council of the European Union." This now
21		defines the word "Treaty."
22		So having regard to the treaty
23		so it's the treaty establishing the European
24		community. In particular, Article 83 thereof.
25		A. Yes.

	PUBLIC 196
476	Q. And that treaty, you probably
	would know this, but sometimes that treaty is
	the referred to as the TEC, treaty
	establishing European Community.
	A. Mm-hmm.
477	Q. You have to say "yes" or
	"no."
	A. Yes, I believe that's the case.
478	Q. And I'm just trying to
	connect a couple of dots here.
	You will see we are going to get
	home in about one minute, but just so we have it
	if we now go back to where we started, which is
	the guidelines on the method of setting fines
	imposed pursuant to Article 23(2)(a) go back
	to the first document, the first guidelines.
	This is the document that's now
	referred to in your footnote 73. So guidelines
	on the method of setting fines imposed pursuant
	to Article 23(2)(a) of Regulation Number 1/2003.
	Turns out that that Article,
	Article 23(2)(a) of that regulation is the one I
	just took you to, saying:
	"The Commission may by
	decision impose fines on
	477

			PUBLIC	197
1			undertakings and associations	
2			of undertakings where, either	
3			intentionally or negligently	
4			they infringe Article 81 or	
5			Article 82 of the treaty,"	
6			okay."	
7			A. Mm-hmm.	
8	479		Q. So it all hangs together.	
9			Now the question is what is the	hat
10		reference to	Article 81 or Article 82 of the	he
11		treaty mean?	What are they referring to?	
12			A. Okay, so could you go back	k to
13		where we look	sed at 23? I think I could see	9
14		where the	I may have created a bit of	
15		confusion.		
16	480		Q. No, you're fine. You're	
17		fine. You've	e actually got it right. I'm	just
18		trying to	I'm just trying to educate the	9
19		Tribunal.		
20			A. Yeah, yeah. No I just war	nt to
21		go to a parti	cular sentence there.	
22	481		Q. Sure. So do you want to	see
23		Article 23(2)	(a)?	
24			A. If we could go back to the	at
25		yes.		

		PUBLIC 198
1	482	Q. Sure. Let's pull that up.
2		Just for the record what we're in
3		now is Council Regulation Number 1 of 2003 and
4		we're looking at Article 23(2)(a) of that
5		regulation. So pull that up.
6		A. This is the page that I was
7		asking for, so that's perfect. If you actually
8		look earlier on the page, where they have the
9		discussion of fines, right?
10	483	Q. Yes.
11		A. And they
12		"The Commission may by
13		decision impose on undertakings
14		and associations of
15		undertakings fines not
16		exceeding 1% of the"
17		Blah, blah, blah.
18		If you look back at my report,
19		I'm discussing the idea of a cap and a
20		penalty, and that last two sentences in
21		paragraph 54, I write:
22		"However, if the penalty is
23		below the cap, the lower
24		(optimally calculated) penalty
25		is the one that is implemented.

		PUBLIC	199
1		I understand that the	his
2		process is consistent w	ith how
3		the European competition	n
4		authorities calculate an	ntitrust
5		penalties."	
6		So once again here there	e is a
7		reference to a cap not exceeding. Bu	ut then,
8		of course, it cannot be above. It can	an be
9		below. These are the parallels that	I am
10		discussing here.	
11	484	Q. And just while we're	e on the
12		cap, just for fun, while you're there	e and you
13		pointed us to it, look at Article 23	and look
14		at the heading "Fines" and then number	er 1.
15		"The Commission may	by
16		decision impose on under	rtakings
17		and associations of	
18		undertakings fines"	
19		Let me take you to the	operative
20		wording:	
21		"not exceeding 19	% of the
22		total turnover in the pr	receding
23		business year where	
24		intentionally or	
25		negligently"	

		PUBLIC	200
1		A. Mm-hmm.	
2	485	Q. Then they go on to say a	
3		variety of things.	
4		A. Right.	
5	486	Q. You're not aware of any s	uch
6		temporal limitation in Section 79 of the	
7		Competition Act, are you?	
8		A. No, I am not.	
9	487	Q. And are you aware that th	е
10		conduct at issue in this case, placed and	
11		issued by the Commissioner in his Notice o	f
12		Application, dates all the way back to 200	8?
13		A. I believe that's when the	
14		alleged anti-competitive conduct began.	
15	488	Q. All right. So there are	some
16		key differences between the approach taken	in
17		the European Union and the approach taken	in
18		Canada, fair enough?	
19		A. On some matters. On the	matter
20		of that there exists a cap and the fine is	
21		determined up to that cap, that is the	
22		similarity that I was pointing to here.	
23	489	Q. Okay, so let me just cont	inue
24		on with the story. I'm now trying to educ	ate
25		the Tribunal as to this reference in Artic	le

		PUBLIC 201	
1		23(2)(a) of Regulation No. 1/2003 to	
2		infringements of Article 81 or Article 82 of	
3		the treaty and in this case the treaty is the	
4		treaty that established the European	
5		Community, okay?	
6		A. Mm-hmm.	
7	490	Q. Now, let's just see see	
8		what happened to Article 81 and 82.	
9		And you will see it just takes a	
10		bit of footwork, but we're going to get to the	
11		right place in about two minutes.	
12		A. Take your time, counsel.	
13	491	Q. Okay. Thank you. Now, pull	
14		up please the consolidated version of the	
15		treaty on the functioning of the European	
16		Union.	
17		Professor, if I'm pushing you	
18		beyond your limits of your knowledge, you just	
19		say so, but let me show you what happened.	
20		A. Sure.	
21	492	Q. And that is this: We started	
22		moments ago with the treaty establishing the	
23		European Community. That's the one we just	
24		saw the reference to and that's the so-called	
25		TEC.	

		PUBLIC 202
1		A. Mm-hmm.
2	493	Q. And then in December of 2009
3		that treaty's renamed as the treaty on the
4		functioning of the European Union. Also
5		called the TFEU.
6		A. Okay.
7	494	Q. And you will see here a
8		consolidated version of that treaty, so a
9		consolidated version of the treaty on the
10		functioning of the European Union. Do you see
11		that?
12		A. Yes, I do.
13	495	Q. This is an extract. And what
14		I wanted to show you is what happens to the
15		relevant Article.
16		Look at page in this treaty that
17		contains Article 102.
18		A. I see that.
19	496	Q. And what's really important
20		here is the subheading. Article 102 you see
21		it says "ex Article 82 TEC "?
22		A. Yes, I see that.
23	497	Q. So Article 80 remember we
24		just looked at
25		A. 81 and 82.

		PUBLIC	203
1	498	Q. 81 and 82. Eighty-two is	the
2		abuse of dominance provision, and it become	ies
3		Article 102.	
4		So put very simply: Article 8	2 in
5		the treaty establishing the European Commu	nity
6		or the TEC becomes Article 102 in the Trea	ty on
7		the Functioning of the European Union, and	l
8		you've got the extract before you here. T	hat's
9		the abuse of dominance provision.	
10		A. I see that.	
11	499	Q. So whether you call it	
12		Article 82 or Article 102 you talk about t	he
13		same provision and this is the provision t	hat
14		says:	
15		"Any abuse by one or more	
16		undertakings of a dominant	
17		position within the internal	
18		market or any substantial par	t
19		of it shall be prohibited as	
20		incompatible with the interna	1
21		market insofar as it may effe	ct
22		trade between member states."	
23		And then it goes on to specif	y what
24		constitutes an abuse, so this is the analogous	gue in
25		the European community of section 79 of th	.e

		PUBLIC 204
1		Competition Act?
2		A. I am not in a position to say
3		whether this is the analog to section 79.
4	500	Q. Okay, that's fine. Let me
5		then take you back to the guidelines that you
6		included in or referred to, rather, in
7		footnote 73 of your report. I just showed you
8		those a moment ago.
9		Well, let's just mark that as an
10		exhibit, as well.
11		MS. McMASTER: Before the
12		guidelines are marked, we need the regulation
13		marked.
14		MR. THOMSON: Let's start by
15		marking the regulation. So the regulation is
16		Council Regulation Number 1 of 2003. Let's mark
17		that as exhibit.
18		MS. McMASTER: Exhibit 36.
19		EXHIBIT NO 36: Council
20		Regulation (EC) No 1/2003 of 16
21		December 2002 on the
22		implementation of the rules on
23		competition laid down in Articles
24		81 and 82 of the Treaty
25		BY MR. THOMSON:

		PUBLIC	205
1	501	Q. And let's mark the	
2		Consolidated Version of the Treaty on the	
3		Functioning of the European Union that	
4		contains Article 102, as Exhibit 37.	
5		EXHIBIT NO. 37: Extract o	f
6		the Consolidated Version of t	he
7		Treaty on the Functioning of	the
8		European Union	
9		BY MR. THOMSON:	
10	502	Q. Okay, now that takes me i	n a
11		round about route back to the guidelines t	hat
12		we started with. And these, again, are th	ıe
13		guidelines that are referred to in footnot	e 73
14		of your report. Let's pull those up on th	ıe
15		screen.	
16		And Professor you'll see I	know
17		you've read these because they are referre	d to
18		in your report, but they go on for, I thin	ık, six
19		or seven pages. They are quite detailed s	etting
20		out, as an example, on the second scrol	.1
21		down, please. So they have a just above	re
22		paragraph 9. Yeah.	
23		So method for setting of fine	s and
24		then but detailed procedures for how fi	nes
25		are set, the basic amount of a fine.	

			PUBLIC	206
1			And the next page heading	
2		"Calculation	of the value of sales," and t	hen
3		below that, s	scrolling down, determination	of the
4		basic amount	of the fine.	
5			And then below that, just abo	ve
6		paragraph 27	, "Adjustments to the basic am	ount."
7			This is a section on aggravat	ing
8		circumstances	s just above paragraph 28. Th	ere's
9		a section on	mitigating circumstances, jus	t
10		above paragra	aph 29.	
11			Scroll down just above paragr	aph 30
12		there's a	provides for a specific incre	ase
13		for deterren	ce, and below that just above	
14		paragraph 32		
15			A. If you could can pause ju	st for
16		a second.		
17	503		Q. Sure.	
18			A. On the legal maximum:	
19			"The final amount of the	
20			fine shall not in any event	
21			exceed 10 per cent of the tot	al
22			turnover in the preceding	
23			business year of the	
24			undertaking or association of	
25			undertakings."	

		PUBLIC	207
1		Right. So once again, you k	now,
2		there we saw 1 per cent. Here we see	
3		ten per cent.	
4		The crux of the analogy in m	У
5		report is having a cap and determining an	
6		amount that is not to exceed that cap is	
7		consistent with the way things are done is	n
8		Europe.	
9	504	Q. And, again, I believe yo	u've
10		already confirmed this key difference, the	at
11		the cap here specified in these guideline	s is
12		that the final amount of the fine shall no	ot,
13		in any event, exceed 10 per cent of the te	otal
14		turnover in the preceding business year o	f the
15		undertaking or association of undertaking	s?
16		A. That is what they have h	ere in
17		this section. There may be other section	s that
18		for certain types of conduct offer someth	ing
19		else. I am not providing any legal opini	on.
20	505	Q. No.	
21		A. I was just making the an	alogy
22		that the idea of having a cap is something	g that
23		is customary across jurisdictions.	
24		As we established in an earl	ier
25		round of questioning different jurisdiction	ons

		PUBLIC	208
1		have different approaches to antitrust,	
2		different objectives.	
3		Within regions we have differ	cent
4		adjudicators that have different conclusion	ns
5		so, yes, there are differences and there a	ire
6		similarities.	
7	506	Q. And, again, I believe you	ı've
8		confirmed this, but you are not aware of a	ı
9		similar temporal cap that is confined to t	he
10		preceding business year in section 79 of t	he
11		Competition Act, are you?	
12		A. I am not aware of such a	cap.
13	507	Q. Now, so you would agree w	rith
14		me that these are quite detailed guideline	2S
15		and they deal with a host of different	
16		considerations in respect of the determina	ition
17		of sanctions to be imposed by parties that	are
18		found to have been engaged in an abuse of	
19		dominance.	
20		A. There are apparently many	, many
21		details here and, again, the analogy I was	3
22		drawing was to the idea of a penalty that	is
23		bound by a cap. Another way to think abou	it this
24		is if you use the language of Dr. Hylton,	that
25		there's an optimal penalty, and if you are	above

		PUBLIC	209
1		that optimal penalty, you are being over	
2		deterrent.	
3		If you are below that optimal	
4		penalty you are being under deterrent.	
5		Naturally, there's a cap to how low you cou	.ld
6		go. That cap is zero.	
7		So if you calculate a penalty	
8		that is too low, you are not offering the	
9		right kind of deterrence.	
10		If you are calculating a penal	ty
11		that is too high, you are over deterring.	
12		What caps do is they basically	
13		put guardrails around how much there could	be,
14		in order to prevent excessive penalty.	
15		That's what these caps are doi	ng
16		in Europe. That's what these caps are doin	.g
17		in Canada.	
18	508	Q. And just to illustrate tha	t
19		point, I know you're not a lawyer, but when	we
20		look at section 79 of the Competition Act,	
21		that has no temporal limitation and where t	he
22		conduct in issue dates back 16 or 17 years,	as
23		it does here and where the respondent to th	.e
24		case commenced by the Commissioner is one o	f
25		the world's biggest companies, you can see,	

PUBLIC

2.

2.0

2.1

2.3

can you not, how the amount of the cap increases dramatically when expressed in reference to the annual worldwide revenues of the respondent to the case in question?

A. The way I understand the statute is as follows: I understand it to provide the Tribunal with the tools needed to prevent anti-competitive conduct through imposing amps, administrative monetary penalties that are very much in the spirit of the Chicago school that Dr. Hylton promotes, and the -- either if it's through full internalization or just through deterrence, where the calculation is best seen, if I may, refer you to footnote -- I think it's footnote 9 in my report. If we go to -- I think it's footnote 9. Let me just confirm that. Yes.

If we go to footnote 9 in my report it basically makes the following straightforward claim. If the expected gain from the alleged monopolization is denoted G for gain and G is a positive number, the penalty is denoted by F, the fine, greater than zero and the likelihood of enforcement is noted by P, a number between zero and one,

		PUBLIC	211
1		then the expected gain must outweigh the	
2		expected loss, which occurs if and only if	,
3		the probability P times F, the fine is gre	ater
4		than G or the fine is greater than the gai	n
5		divided by the probability. This goes bac	k to
6		Landes. This goes back to Becker.	
7		If a company is considering	
8		taking a risk and violating an	
9		anti-competitive violating through	
10		anti-competitive conduct, and they're doin	g
11		this with the lens of the Bicarian [phon.]	or
12		Landesian approach, then they are doing a	
13		following calculation.	
14	509	Q. Sorry, can I just interru	pt?
15		What question are you answeri	ng
16		right now?	
17		A. I'm answering the questio	n of
18		whether, if I understood your question, by	not
19		having a time cap and allowing it to go ba	ck,
20		this could not be an excessive penalty.	
21		That's what I understood your	
22		question to be.	
23	510	Q. No, it's a very, very sim	ple
24		proposition that when you have a combinati	on
25		of no temporal cap.	

		PUBLIC 212
1		A. Yes.
2	511	Q. Okay, no time limit. Not
3		like we have in Europe, where it's confined
4		the turnover in the preceding year.
5		A. Yes.
6	512	Q. None of that.
7		A. Yes.
8	513	Q. Where the allegations of
9		misconduct date back over a period of 18
10		years
11		A. Yes.
12	514	Q and where the company in
13		question is one of the world's biggest
14		companies
15		A. Yes.
16	515	Q you end up with a very,
17		very sizeable fine; would you not accept that?
18		A. Which may not be enough to
19		deter anti-competitive conduct.
20	516	Q. That's not my question. The
21		question is: You end up with a very, very
22		large fine. It's a simple question.
23		A. If the conduct caused
24		significant harm, then the fine can, indeed, and
25		should be significant.

		PUBLIC 213
1	517	Q. Okay, now let's look at what
2		happened in the European Union.
3		Again, I'm back right to the
4		guidelines that you referred to in paragraph 73
5		of your sorry, footnote 73 of your report.
6		You may want to pull that up.
7		This is, again, the guidelines that
8		we just looked at. Guidelines on the method of
9		setting fines imposed pursuant to Article
10		23(2)(a) of Regulation 1/2003.
11		A. Right. Mm-hmm.
12	518	Q. Are you aware that the
13		European Union has actually issued guidelines
14		about those guidelines?
15		A. Sitting here right now, I don't
16		recall seeing guidelines about the guidelines.
17		I may have, but as I explained,
18		the purpose of footnote 73 is to explain that
19		the process of administering fines subject to
20		a cap are not just unique to Canada; they are
21		used elsewhere.
22	519	Q. Yeah but, again, I have
23		little itty bitty questions.
24		Are you aware that the European
25		Union has actually issued guidelines about those

		PUBLIC 214
1		guidelines?
2		A. Sitting here right now I do not
3		recall whether I saw guidelines about the
4		guidelines.
5	520	Q. Let me ask my colleague to
6		pull up guidelines about the guidelines.
7		So she's my colleague Alisa's
8		pulled up on the screen, you'll see guidelines.
9		You see the top left-hand corner. It is a bit
10		hard to read, in the black print at the top, an
11		official website of the European Union.
12		A. Yes, I see that.
13	521	Q. And just below that, the logo
14		of the European Union.
15		A. Yes.
16	522	Q. And then these are now
17		guidelines for setting fines.
18		A. Yes, I see that.
19	523	Q. And you see the summary.
20		The summary is of guidelines and
21		the method of setting fines imposed pursuant to
22		Regulation No. 1 of 2003.
23		A. Yes.
24	524	Q. That's the regulation we just
25		looked at?

		PUBLIC 215
1		A. Is this what you are referring
2		to as: "Guidelines for the guidelines"?
3	525	Q. This is guidelines about the
4		guidelines.
5		A. Okay, I see guidelines for
6		setting fines.
7	526	Q. But just below that, "Summary
8		of guidelines on the method of setting fines
9		imposed pursuant to Regulation No. 1 of 2003."
10		A. Yes.
11	527	Q. That's the regulation we
12		looked at 15 minutes ago.
13		A. Yes, correct.
14	528	Q. So look below that. What is
15		the aim of the guidelines? They set out the
16		methodology to be used by the European
17		Commission when setting fines on undertakings
18		that infringe the EU's competition rules which
19		prohibit cartels and then the second one,
20		abuse of dominance position ex Article 82 of
21		the brief treaty establishing in the European
22		Community, now Article 102 of the Treaty on
23		the Functioning of the European Union." Right?
24		That's what we've just gone through
25		ten minutes ago.

		PUBLIC	216
1		A. I believe we went through	these
2	exactly as yo	ou described.	
3	529	Q. "Key Points" below that.	
4		"Regulation No 1/2003	
5		based on Article 103 of the	
6		Treaty of the Functioning of	
7		the European Union (ex Article	e
8		83), gives the Commission	
9		powers to enforce the	
10		competition rules and to fine	
11		companies for infringements.	
12		The guidelines, which replace	
13		previous guidelines adopted is	n
14		1998, impose tougher fines on	
15		firms that violate EU rules	
16		prohibiting cartels and other	
17		restrictive business	
18		practices."	
19		Then it goes on to say:	
20		"Article 23 of Regulation	
21		No 1/2003 indicates that	
22		fines shall be set with regard	d
23		to both the gravity and the	
24		duration of the infringement.	
25		Fines can reach up to 10% of	

	PUBLIC 217
1	the worldwide turnover of the
2	Corporate group to which the
3	infringing company belongs in
4	the previous business year."
5	Then it goes on to say this:
6	"To achieve its objectives
7	of imposing fines that are
8	sufficiently high both to
9	punish"
10	That's in bold print:
11	"punish the firms
12	involved and to deter others
13	from practices that flout the
14	competition rules, the
15	Commission takes certain
16	factors into account such as:
17	the value of the sales of goods
18	or services to which the
19	infringement relates" "The
20	duration of the
21	infringement"
22	Below that: the gravity of the
23	infringement.
24	And below that: Factors specific
25	to individual companies that may justify

		PU	BLIC	218
1		increasing or de	creasing a fine.	
2		Do	you see that?	
3		А.	Yes I do.	
4	530	Q.	So one of the objectives	of
5		the European Com	mission in establishing an	d
6		imposing fines i	s to ensure that there is	
7		sufficiently hig	h both to punish the firms	
8		involved and to	deter others from practice	S
9		that flout the c	ompetition rules; correct?	
10		Α.	That's what the language	here
11		says.		
12	531	Q.	And then are you aware th	at
13		the European Uni	on sorry we should mark	
14		that as an Exhib	it.	
15		MS.	McMASTER: Exhibit 38.	
16			EXHIBIT NO. 38: EUR-Lex	
17		doc	ument Entitled: "Guideline	S
18		for	setting fines"	
19		ВУ	MR. THOMSON:	
20	532	Q.	Are you aware that the	
21		European Union h	as also issued guidelines	
22		concerning the p	rocedures that are followe	d an
23		abuse of dominan	ce investigation under Art	icle
24		102 of the treat	y on the functioning of	the
25		European Union;	do you know that?	

		PUBLIC 219
1		A. Sitting here right now I'm not
2		aware of those guidelines.
3		What I am not clear about, given
4		the language and, once again, I'm not a
5		lawyer, it is from what I see here there is
6		fines can reach up to 10 per cent of the
7		worldwide turnover of the corporate group to
8		which the infringing company belongs in the
9		previous business year.
10	533	Q. Right.
11		A. So what that leaves me
12		questioning to understand this better is the
13		following: Imagine a company was accused and
14		then the facts in court showed that they abused
15		a certain anti-competitive practice over the
16		course of seven years. Let's just say 2015 to
17		2022. Does that mean that the penalty can be up
18		to 10 years of world 10 per cent of worldwide
19		turnover in the previous business year, for each
20		one of the years?
21	534	Q. No, it doesn't.
22		A. I don't know. I mean, that's
23		what I don't understand.
24	535	Q. But you again, you are
25		here to answer my questions, not to ask them.

		PUBLIC	220
1		So let me move on.	
2		I asked you whether you we	re aware
3		that the European Union has also issued	
4		guidelines concerning procedures that a	re
5		followed in an abuse of dominance inves	tigation.
6		Let me show you those guid	elines
7		now, if I can, and ask my colleague to	pull up
8		on the screen, again another another	set of
9		guidelines published by the European Co	mmission
10		entitled, "Procedures in Article 102	
11		Investigations."	
12		A. Yes, I see that.	
13	536	Q. And we've now reached	a
14		consensus that Article 102 is the equiv	alent
15		of the old Article 82, and this is the	Article
16		that prevents abuse of dominance.	
17		A. That's my understandin	g, yes.
18	537	Q. So you see under the h	eading,
19		"Procedures in Article 102 investigatio	ns, how
20		a case starts." It goes on to say:	
21		"Article 102 of the Tr	eaty
22		on the Functioning of the	
23		European Union (TFEU) proh	ibits
24		abusive conduct by compani	es
25		that have a dominant posit	ion

	PUB	LIC	221
1	on t	he particular market."	
2	And	so on and so on. I'm not	going
3	to waste more tim	e with that, but let me sh	OW
4	you the section o	n fines, bottom of page 3.	Do
5	you see a heading	entitled "Fines" at the b	ottom
6	of page 3?		
7	Α.	Yes, I do.	
8	538 Q.	And then the top of the ne	xt
9	page, the guideli	nes say:	
10		"A company that has	
11	part	icipated in an	
12	anti	-competitive agreement and	
13	ther	efore infringed	
14	comp	etition law may have to pa	У
15	a fi	ne. The Commission's finin	g
16	poli	cy is aimed at punishment	
17	and	deterrence. They are	
18	calc	ulated under the framework	
19	of t	he 2006 Guidelines on	
20	Fine	S."	
21	Do y	ou see that?	
22	A.	I do see that.	
23	539 Q.	So, again, the goal of the	
24	commission in est	ablishing sanctions agains	t
25	parties that have	engaged in a prohibited	

		PUBLIC 222
1		abuse of dominance is aimed both at punishment
2		and at deterrence, correct?
3		A. Which is unrelated to the cap.
4		I just want to make sure we are
5		talking about the same thing.
6	540	Q. No, just the goals.
7		A. Right. Which are apparently
8		different from the goals of the Canadian
9		Competition Bureau.
10	541	Q. Well, we're going to debate
11		that. We'll debate that at a later stage.
12		A. This nicely fits into the
13		conversation we had earlier about different
14		jurisdictions having different objectives and
15		different goals.
16	542	Q. Let's mark this as the next
17		exhibit.
18		MS. McMASTER: Exhibit 39.
19		EXHIBIT NO. 39: European
20		Commission webpage entitled
21		'Procedures in Article 102
22		Investigations'
23		BY MR. THOMSON:
24	543	Q. And let me just take five
25		minutes with my colleagues. I may be done

	PUBLIC 223
1	with you, but let me just see. We'll be back
2	in five minutes.
3	A. Sure.
4	MR. THOMSON: Thank you.
5	RECESS WAS TAKEN AT 4:08 P.M.
6	UPON RESUMING AT 4:16 P.M.
7	MR. THOMSON: Thank you very much,
8	Professor Tadelis. Those are all my questions.
9	THE WITNESS: Thank you, Mr.
10	Thomson. It was a pleasure meeting you.
11	MR. THOMSON: And you.
12	MR. GAY: Thank you, Kent. That
13	was I would say it was well done, but it was
14	well done and we'll see how all this works.
15	Thanks very much. See you, guys.
16	MR. THOMSON: Yeah. Thank you all
17	very much.
18	The cross-examination was concluded at 4:16
19	p.m.
20	
21	
22	
23	
24	
25	

	PUBLIC 224
1	CERTIFICATE OF COURT REPORTER
2	
3	I hereby certify the foregoing
4	to be a true and accurate transcription of my
5	stenographic shorthand notes, to the best of my skill
6	and ability.
7	
8	
9	Gard >
10	Lisa Barrett, RPR, CRR, CRC, CSR
11	Certified Realtime Court Reporter
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65:6 141:13	80:12,15 86:6		

Veritext 416-413-7755

Exhibit 1 to the Cross-Examination of Professor Tadelis

Berkeley**Haas**



Faculty Profile

Steven Tadelis



Sarin Chair in Strategy and Leadership | Professor of Economics

Business & Public Policy | Economic Analysis & Policy

Leading expert on e-commerce and internet economics







About

Steve Tadelis holds the Sarin Chair in Strategy and Leadership and is a Professor of Economics at the Haas School of Business, UC Berkeley. His research primarily revolves around e-commerce and the economics of the internet.

During the 2016-2017 academic year he was on leave at Amazon, where he applied economic research tools to a variety of product and business applications and worked with technologists, computer and ML scientists, and business leaders. During the 2011-2013 academic years he was on leave at eBay research labs, where he hired and led a team of research economists who focused on the economics of e-commerce, with particular attention to creating better matches of buyers and sellers; reducing market frictions by increasing trust and safety in eBay's marketplace; understanding the underlying value of different advertising and marketing strategies; and exploring the market benefits of different pricing structures.

Aside from the economics of e-commerce, his main fields of interest are the economics of incentives and organizations, industrial organization, and microeconomics. Tadelis explored firm reputation as a valuable, tradable asset; the effects of contract design and organizational form on firm behavior with applications to outsourcing and privatization; public and private sector procurement and award mechanisms; and the determinants of trust.

<u>Collapse</u>

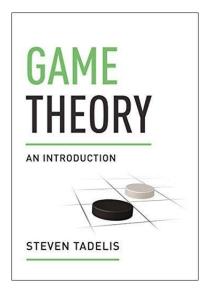
Expertise and Research Interests

- E-Commerce
- Competition and Industrial Organization
- Procurement Contracting
- Incentives and Economics of Organizations
- Theory of the Firm
- Game Theory

Collapse All

Multimedia —

Books



Selected Papers and Publications

• Mitchell Hoffman and Steven Tadelis. <u>People Management Skills, Employee Attrition, and Manager Rewards: An Empirical Analysis</u>.

Journal of Political Economy.

How much do a manager's interpersonal skills with subordinates, which we call people management skills, affect employee outcomes? Are managers rewarded for having such skills? Using personnel data from a large high-tech firm, we show that survey-measured people management skills have a strong negative relation to employee turnover. A causal interpretation is reinforced by several research designs, including those exploiting new workers joining the firm and workers switching managers. However, people management skills do not consistently improve most observed non-attrition outcomes. Better people managers themselves receive higher subjective performance ratings, higher promotion rates, and larger salary increases.

- Tom Blake, Kane Sweeney, Sarah Moshary, and Steven Tadelis. <u>Price Salience and Product Choice</u>. *Marketing Science*.
 Online vendors often employ drip-pricing strategies, where mandatory fees are displayed at a later stage in the purchase process than base prices. We analyze a large-scale field experiment on StubHub.com and show that disclosing fees upfront reduces both the quantity and quality of purchases. The effect of salience on quality accounts for at least 28% of the overall revenue decline.
 Detailed click-stream data show that price shrouding makes price comparisons difficult and results in consumers spending more than they would otherwise. We also find that sellers respond to increased price obfuscation by listing higher-quality tickets.
- Matt Backus, Tom Blake, Brad Larsen, and Steven Tadelis.
 <u>Sequential Bargaining in the Field: Evidence from Millions of Online Bargaining Interactions</u>. *Quarterly Journal of Economics*.
 .We study patterns of behavior in bilateral bargaining situations using a rich new data set describing back-and-forth sequential bargaining occurring in over 25 million listings from eBay's Best

Offer platform. We compare observed behavior to predictions from the large theoretical bargaining literature. One-third of bargaining interactions end in immediate agreement, as predicted by complete-information models. The majority of sequences play out differently, ending in disagreement or delayed agreement, which have been rationalized by incomplete information models. We find that stronger bargaining power and better outside options improve agents' outcomes. Robust empirical findings that existing models cannot rationalize include reciprocal (and gradual) concession behavior and delayed disagreement. Another robust pattern at odds with existing theory is that players exhibit a preference for making and accepting offers that split the difference between the two most recent offers. These observations suggest that behavioral norms, which are neither incorporated nor explained by existing theories, play an important role in the success of bargaining outcomes.

Steven Tadelis, Michael Gelman, Shachar Kariv, Matthew Shapiro,
Dan Silverman. <u>How Individuals Respond to a Liquidity Shock:</u>
 <u>Evidence from the 2013 Government Shutdown</u>. *Journal of Public Economics*.

Using comprehensive account records, this paper examines how individuals adjusted spending and saving in response to a temporary drop in liquidity due to the 2013 U.S. government shutdown. The shutdown cut paychecks by 40% for affected employees, which was recovered within 2 weeks. Because the shutdown affected only the timing of payments, it provides a distinctive experiment allowing estimates of the response to a liquidity shock holding income constant. Spending dropped sharply, implying a naïve estimate of 58 cents less spending for every dollar of lost liquidity. This estimate overstates the consumption response. While many individuals had low liquid assets, they used multiple sources of short-term liquidity to smooth consumption.

- Sources of short-term liquidity include delaying recurring payments such as for mortgages and credit card balances.
- Steven Tadelis, Lingfang (Ivy) Li, and Xiaolan Zhou. <u>Buying Reputation as a Signal of Quality: Evidence from an Online Marketplace</u>. *Rand Journal of Economics*.
 Seller reputation, generated by buyer feedback, is critical to fostering trust in online marketplaces. Marketplaces or sellers may choose to compensate buyers for providing feedback. Signaling theory predicts that only sellers of high-quality products will reward buyers for truthful feedback, especially when a product lacks any feedback and when the seller is not established. We confirm these hypotheses using Taobao's reward-for-feedback mechanism. High-quality products, especially without established feedback, are chosen for feedback rewards, which cause sales to increase by 36%. Marketplaces and consumers can therefore benefit from allowing sellers to buy feedback and signal their high-quality products in the process.
- Matt Backus, Tom Blake, and Steven Tadelis. On the Empirical <u>Content of Cheap-Talk Signaling: An Application to Bargaining</u>. *Journal of Political Economy*.
 - We outline a framework for the empirical analysis of signaling games based on three features: sorting, incentive compatibility, and beliefs. We apply it to document cheap-talk signaling in the use of round-number offers during negotiations. Using millions of online bargaining interactions, we show that items listed at multiples of \$100 receive offers that are 8–12 percent lower but are 15–25 percent more likely to sell, demonstrating the trade-off requisite for incentive compatibility. Those same sellers are more likely to accept a similar offer, and buyers are more likely to investigate their listings, consistent with seller sorting and buyer belief updating.

- Steven Tadelis. <u>Reputation and Feedback Systems in Online</u>
 <u>Platform Markets</u>. Annual Review of Economics.

 2016
- Steven Tadelis, Florian Zettelmeyer. <u>Information Disclosure as a Matching Mechanism: Theory and Evidence from a Field Experiment</u>. *American Economic Review*.
 2015
- Steven Tadelis, Chris Nosko, Tom Blake. <u>Consumer Heterogeneity</u> and Paid Search Effectiveness: A <u>Large Scale Field Experiment</u>. *Econometrica*.
 2015
- Steven Tadelis, Michael Gelman, Shachar Kariv, Matthew D. Shapiro,
 Dan Silverman. <u>Harnessing Naturally-Occurring Data to Measure the
 Response of Spending to Income</u>. *Science*.
 2014
- Steven Tadelis, Pat Bajari, Stephanie Houghton. <u>Bidding for</u>
 <u>Incomplete Contracts: An Empirical Analysis</u>. *American Economic Review*.

 2014
- Steven Tadelis, Patrick Bajair, and Robert McMillan. <u>Auctions versus</u>
 <u>Negotiations in Procurement: An Empirical Analysis</u>. *Journal of Law, Economics and Organization*.

 2009
- Steven Tadelis and Jonathan Levin. <u>Profit Sharing and the Role of Professional Partnerships</u>. *Quarterly Journal of Economics*.
 2005
- Steven Tadelis. <u>The Market for Reputations as an Incentive</u>
 <u>Mechanism</u>. *Journal of Political Economy*.
 2002
- Steven Tadelis. <u>Complexity, Flexibility and the Make-or-Buy Decision</u>.
 American Economic Review Papers and Proceedings.

Working Papers

 Counter-stereotypical Messaging and Partisan Cues: Moving the Needle on Vaccines in a Polarized U.S.

1652425200

We report a large scale randomized controlled trial designed to assess whether the counter-stereotypical messaging and partisan cues can induce people to get COVID-19 vaccines. Our study involves creating a 27-second video compilation of Donald Trump's comments about the vaccine from Fox News interviews. We presented the video to millions of U.S. YouTube users in October 2021. Results indicate that the campaign increased the number of vaccines in the average treated county by 103. Spread across 1,014 treated counties, the total effect of the campaign was an estimate increase of 104,036 vaccines. The campaign was cost-effective: with an overall budget of about \$100,000, the cost of an additional vaccine was about \$1 or less.

• The Limits of Reputation in Platform Markets: An Empirical Analysis and Field Experiment

January 2015

Steven Tadelis and Chris NoskoReputation mechanisms used by platform markets suffer from two problems. First, buyers may draw conclusions about the quality of the platform from single transactions, causing a reputational externality. Second, reputation measures may be coarse or biased, preventing buyers from making proper inferences. We document these problems using eBay data and claim that platforms can benefit from identifying and promoting higher quality sellers. Using an unobservable measure of seller quality we demonstrate the benefits of our approach through a

Steven Tadelis - Berkeley Haas

large-scale controlled experiment. Highlighting the importance of reputational externalities, we chart an agenda that aims to create more realistic models of platform markets. JEL classifications: D47, D82, L15, L21, L86

The Power of Shame and the Rationality of Trust
 March 2011

Steven TadelisA mounting number of studies suggest that individuals are not selfish, which perhaps explains the prevalence of trust among strangers. Models of players who care about their opponents' payoffs have been used to rationalize these facts. An alternative motive is that players care directly about how they are perceived by others. I propose and implement an experimental design that distinguishes perception motives from payoff motives. Participants not only exhibit concerns for perception, but they seem strategically rational by anticipating the change in behavior of their opponents. The approach can explain previously documented behaviors, both in the lab and in the field, and can shed light on some determinants of trust. JEL classifications C72, C91, D03, D82

Positions Held —

At Haas since 2005

2018 - present, Sarin Chair in Strategy and Leadership

2016 - 2018, James J. and Marianne B. Lowrey Chair in Business

2016 – 2017, VP of Economics and Market Design, Amazon.com Inc.

2015 – present, Professor of Economics, Business and Public Policy, Haas School of Business

2015 - 2016, Joe Shoong Chair in International business

2005 - 2015, Associate Professor, Haas School of Business

2011 – 2013, Senior Director and Distinguished Economist, eBay Research Labs

2006 – 2009, Associate Dean for Strategic Planning, Haas School of Business

1997 - 2005, Assistant Professor, Stanford University

External Service and Affiliations

- 2016 present, CESifo Research Network Fellow
- 2015 present, Research Fellow, Centre for Economic Policy Research (CEPR)
- 2014 present, Research Associate, National Bureau of Economic Research (NBER)
- 2011 2014, Co-Editor, Journal of Law, Economics and Organization
- 2004 2007, Editorial Board, American Economic Review
- 2004 2007, Associate Editor, International Journal of Industrial Organization

Languages -

Hebrew

Selected Honors and Awards

Fellow of the Econometric Society

Elected 2020

Honorable Mention, Cheit Teaching Award, Full-Time MBA Program

2010 - 2011

Steven Tadelis - Berkeley Haas **PUBLIC**

Montias prize – best article published in the Journal of Comparative Economics

2010 - 2011

Barbara and Gerson Bakar Faculty Fellow, UC Berkeley Haas School of Business

2008 - 2015

Phi Beta Kappa Undergraduate Teaching Award, Stanford University, 2005

Department of Economics Advising Award, Stanford University 2002

W. Glenn Campbell and Rita Ricardo-Campbell National Fellow, Hoover Institution

1999 - 2000

Review of Economic Studies Euorpean Tour Speaker

May 1997

Alfred P. Sloan Doctoral Dissertation Fellowship

1995 - 1996

National Science Foundation Research Grants

1999 – 2000, 2000 – 2002, 2003 – 2008

In the News —

• <u>Bay Area Iranians, Israelis share fears for loved ones facing 'death</u> by lottery', KQED, 06/21/2025

- This common checkout trick just became illegal. Here's what to look out for., HuffPost, 05/16/2025
- More than 100 UC Berkeley Jewish faculty condemn calls for student protester deportations, The Daily Californian, 03/13/2025
- StubHub is in the hot seat for 'drip pricing.' Here's how it affects consumer behavior, CX Dive, 08/07/2024
- StubHub vs. Ticketmaster vs. SeatGeek: What's the difference?,
 Sportico, 07/17/2024
- Your brand's spokesperson just got arrested—now what?,
 Freakonomics, 06/26/2024
- E-commerce is witnessing the Amazon-ification of Shein, as the fast-fashion behemoth woos skincare and toy brands, Fortune, 05/05/2024
- <u>Epic v. Google day 12 kicks off with Berkeley economics professor</u> <u>Steve Tadelis</u>, The Verge, 11/28/2023
- Hundreds rally at UC Berkeley to demand action on Gaza hostages,
 J. the Jewish News of Northern California, 11/01/2023
- Amazon's new challenge: Bargain retailers that are playing a different game, The Wall Street Journal, 09/22/2023
- <u>Biden is targeting the 'junk fees' you're always paying. But it may not save you money,</u> USA Today, 07/23/2023
- The sinister logic of hidden online fees, The Wall Street Journal, 12/01/2022
- <u>Facebook is broken. Execs say a fix won't come fast</u>, Barron's, 04/25/2022
- Study finds Trump's support of vaccines may have swayed some vaccine skeptics, KRON4, 04/04/2022
- <u>Trump Helped Boost Vaccine Use After Endorsement in Online Ad</u>, Bloomberg, 04/04/2022

Teaching

- Economic Analysis for Business Decisions, MBA 201A
- The Economics of Institutions, PhD
- Mechanism Design and Agency Theory, Economics 206, PhD

LINKS

Personal Website

EDUCATION

- PhD, Economics, Harvard University
- MSc, Economics, Techion, Haifa, Israel
- BA, Economics, University of Haifa, Haifa, Israel

MEDIA CONTACTS

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