INTERNATIONAL CENTRE FOR THE SETTLEMENT OF INVESTMENT DISPUTES


HEARING ON JURISDICTION, MERITS AND QUANTUM

Friday, February 28, 2020

The World Bank Group
1225 Connecticut Avenue, N.W. C Building
Conference Room C1-450
Washington, D.C.

The hearing in the above-entitled matter
came on at 9:00 a.m. before:

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PROF. HORACIO A. GRIGERA NAÓN, Co-Arbitrator PROF. ZACHARY DOUGLAS, Co-Arbitrator

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P R O C E E D I N G S
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PRESIDENT SHORE: Good morning, everyone.
Day 5 of the first week of our Hearing.
Ms. Gorsline, any procedural matters you need to raise?

MS. GORSLINE: None for Claimants,
Mr. President.
PRESIDENT SHORE: Thank you.
Mr. Weisburg?
MR. WEISBURG: No, we're good. Thank you.
PRESIDENT SHORE: Thank you very much.
PABLO LOPEZ ZADICOFF, CLAIMANTS' WITNESS, CALLED
PRESIDENT SHORE: Mr. Lopez Zadicoff, good morning.

THE WITNESS: Good morning.
PRESIDENT SHORE: I believe you have the Rule
35(3) Expert Declaration in front of you. Please, could you read it out loud?

THE WITNESS: Sure. My name is Pablo Lopez Zadicoff, and I solemnly declare, upon my honor and conscience, that my statement will be in accordance with my sincere belief.

PRESIDENT SHORE: Thank you, sir.
I believe we have two Reports from you in the record: The first dated June 25, 2018, and a Supplemental Report dated May 27, 2019; is that right? THE WITNESS: That is correct.

PRESIDENT SHORE: Thank you very much.
And I believe you have a presentation for us.
THE WITNESS: I do.
PRESIDENT SHORE: And I see that hard copies are being distributed, if you wait one moment. Thank you very much.

So, sir, we're in your hands for the next 30 minutes.

## DIRECT PRESENTATION

THE WITNESS: Thank you very much.
Good morning, again, Members of the Tribunal.
I have prepared this 30 -minute presentation, which is divided into four models. The first one deals with what is the valuation purpose, and what was the task that we were asked to do. And if we move to Slide Number 4, here you can see what is the object of our valuation, which is the totality of Claimants'
investment in Panamá, otherwise known as the Omega Consortium.

Now, the Omega Consortium is composed both of Omega Panamá itself, the local entity which was in charge of the Project implementation, and the intangible assets of Omega U.S. that were invested into Panamá and put at risk in the bidding process within the Omega Consortium.

Now, here, I will pause, because I noticed in Respondent's Opening that we agreed there has been, at some point, some confusion or mislabeling on our part when we were referring to "Omega Panamá," and we were ambiguous, and we should have mentioned "Omega Consortium," but this is clear in our letter of instruction, our Reports, analysis, and the methodological discussion: What we have always valued since the beginning is the totality of Omega Consortium. And the reason for that is simple: Because those are all the assets that allow the consortium to win the 10 existing contracts--or, actually, win 10 bids that resulted in 9 contracts--and are the same assets that would have
allowed the Consortium to continue operating in the public works construction market in Panamá.

Now, if we move to Slide Number 5, this is how we approach our valuation exercise, and I don't need to explain to the Tribunal what the Fair Market Value standard is. It's "the price at which a hypothetical Willing Buyer and a hypothetical Willing Seller will exchange the asset for a monetary amount without compulsion to sell." Now, both Dr. Flores and us argue that we apply the Fair Market Value standard, but Dr. Flores does it in a myopic way.

First, Dr. Flores is not using a hypothetical Willing Buyer concept. He's using--in his mind, he has a specific buyer in mind that would not be interested in the totality of the assets of the Omega Consortium, in particular, would not be attracted by the intangible assets. And we believe that if you, by definition, exclude the possibility of the Willing Buyer to be interested in parts of the assets and their valuation, you will not be able to achieve full compensation in your valuation assessment.

The second difference is that Dr. Flores is,
throughout his analysis, only looking at the Willing Buyer perspective, and it's true that any Buyer in any potential transaction will try to pay as little as possible for an asset, but a seller, by the same token, would never let go of a profitable asset for a monetary amount that is less than it can collect by holding the asset and not transacting. So, if you don't look at Willing Seller, it's impossible to have a hypothetical transaction.

So, I will now move to the actual calculations we performed, and I will start with the Discounted Cash Flow analysis we performed to value losses on new contracts or future contracts of the Omega Consortium. And in Slide Number 7, you can see here the difference in valuation results, our assessment at $\$ 42.5$ million and Dr. Flores' assessment at, in reality, zero, and in the subsidiary position, \$1.1 million.

Each of the rows in this table highlights differences in valuation assumptions that I will discuss next. In the right-most column, you can see the stand-alone impact of introducing each of

Dr. Flores' assumptions into our calculations.
So, for instance, if, regarding the valuation horizon, you assume that cash flows need only to be valued until Year 2019, as Dr. Flores suggests, that would result in a decrease in our value assessment of . As I said, I will discuss Line Items 1 to 3 in detail in the following slides. In the interest of time, $I$ will not discuss in detail 4, "Other Assumptions," which have a stand-alone impact on value of $\quad$ I will just mention that Dr. Flores unwarrantedly extends the period in which cash flows are generated for each contract and double-counts the general administrative expenses in 2015 and 2016.

So, in Slide Number 8, I will now explain why, when looking at the value of the Omega Consortium into the future, you need to look beyond Year 2019, and $I$ will do this by referring to Figure 4 of Dr. Flores' Second Report, and it is here replicated on the left. Here, Dr. Flores explains his calculation methodology, and the red line would be the cash flows from the new contracts that the Omega

Consortium would generate into the future.
Now, the blue line is what Dr. Flores suggests would be the cash flows that a start-up company, initiating operations in 2015, would achieve, and Dr. Flores assumes that, by 2020, those cash flows would match those of established company Omega Consortium. Dr. Flores then calculates potential damages as the difference between the red and the blue curve, which is shaded in gray.

So, there are at least three main problems with this analysis by Dr. Flores. First, it is completely arbitrary. There is no rationale whatsoever of why, potentially, this start-up company will be able to match the Omega Consortium cash flows in five years, and not in seven, not in 10, not in 15.

Second, it's inconsistent with the Willing
Seller approach, or the Fair Market Value theory. As you can see in the title of Figure 4, that's--the title is--"A Willing Buyer's View."

So, Dr. Flores is neglecting the Willing Seller perspective. And if you recall, let's assume that the cash flows that--the person holding the asset
are represented, in fact, by the red curve. No seller will be willingly parted with this asset if it is only complicated by cash flows truncated in 2019.

Third, even if we were to consider
Dr. Flores' Willing Buyer approach, there is no reason why an established company would be valued in the same way as a start-up company. Actually, Dr. Flores is neglecting start-up risks. There are studies--for instance, Dr. Damodaran has done a study saying that around 50 percent of companies fail within the five first years of operations. So, in principle, if a Willing Buyer would be looking to replicate an asset, will factor a start-up risk. And we have not measured that in particular, but here, we are showing it from a theoretical standpoint by adding this orange line, because the cash flows that the analyst would look at when analyzing a start-up company would be, certainly, discounted by the risk of failure. As such, under any theory, it is inappropriate to truncate the analysis by 2019 .

So, before going into the detail of this year for the cash-flow analysis, first an overview of what
is the performance, or what we know about the Omega Consortium before 2014. In Slide Number 9, you see that the Omega Consortium had been awarded contracts, including change orders, for $\$ 159$ million. That is the result of winning 10 out of the 42 bids in the public sector contracting that it participated in. Not only that, Omega Consortium was able to achieve the maximum score in financial capacity and experience in most of the bids it participated in, which puts the Consortium in equal footing within the target market to the larger construction companies that Dr. Flores mentions in his analysis. As a result--


So, with this track record, how it is that Dr. Flores arrives to a conclusion that the Company was essentially worthless? Well, he does it by changing each of the cash-flow analyses, and I will start in Slide 10 with a target market.

As you know, the target market that we are
considering in our valuation is small- to medium-sized public infrastructure projects in Panamá, and our assessment is that, based on history, that target constitutes an average 5 percent of the capital expenditures of the central Government. And we have calculated here in the light blue bars what is the 5 percent of the central Government's capital expenditures. And as you can see, our assessment, which essentially extends the market by GDP growth, represented in the blue bars, continues the historical trend, while Dr. Flores' assessment reverses it, represented in the red bars.

Now, to provide further comfort about the reasonability of our assumptions, what we did in our First Report is what you see in the gray bars here, which is to look in the PanamaCompra website, which is the procurement website of the Government of Panamá where all public tenders are published, and see how many were the bids that would have fit within Omega Consortium's target market? And what we found is that, for 2015, there were $\$ 517$ million in bids that would have matched that target market and 674 million
in 2016. That is more than double our estimate and provides comfort that our estimation is proper.

Second DCF calculation has to do with the success rate, and the success rate is the way we convert the target market into actual profit revenues. So, the target market is where you bid. The success rate, when it is multiplied, is how much projects you will be able to win.

And our assessment of the success rate is
quite simple. Omega Consortium participated in 42 public tender bids. It won 10. That is a straight success rate of 23.8 percent. If we do the same in terms of value, you get a success rate of 21.4 percent.

Now, Dr. Flores argues that our analysis is inappropriate, and you should only look at certain years when calculating success rates. Now, that is inappropriate, because it neglects first the fact that bidding behavior is strategic. So, bidding is costly. You need to research; you need to prepare a budget; you need to submit a bid. So, you will only present bids in times where you believe your
qualifications are aligned with the Projects that are subject to tender. So, in some years, there may be more projects that are aligned with your characteristics, other years less, but you should look at the overall bidding decision as a whole.

Second, there is also a resource allocation; right? If you have a backlog of nine projects, you will be less incentivized or less prone to bidding than if you don't have any projects in your pipeline.

But, be as it may, even if we were to
consider Dr. Flores' premise of only looking at the success rates of 2011 and 2013--and here we have flagged them in red in the first row that we have added below the chart--you can see that the success rate for 2011 in terms of bids is 29 percent, while in 2013 it is 25 percent, both numbers confirming the reasonability of our 25 percent success rate.

Now, you may also notice that this slide replicates one of Respondent's Opening Slides, and Respondents used this slide to argue that the Company, the Omega Consortium, was failing before the date of valuation or the alleged Measures. We see this in a
slightly different way.
So, first, it is true that bidding activity decreased in 2012, but if you look at the amount of contracts that were awarded in 2012, that's probably the best year in the Omega Consortium history. So, the proposition that this was a failing company in 2012 is not supported by the evidence.

Second it, is true that by 2013, you have less bidding activity, but, as I said, bidding is strategic, and by 2013, the Company had nine active projects, and, actually, 2013 continued the increasing trend in profitability and revenues. So, in our view, this shows no evidence of a decaying company before the date of valuation.

So, after we calculate the Project's revenues, the next step is to get the gross profitability, and in Slide Number 12 we use a
 Mr. McKinnon's analysis. First, Mr. McKinnon calculated expected profitability at inception, when the Projects were priced at
 calculated that the expected profitability of the
eight outstanding contracts, when the full cycle of the contracts would be completed, would be
13.2 percent. And we understand those numbers have not been challenged.

Second, we contrast these with sectoral evidence from international construction companies, again calculated by Dr. Damodaran, who provides a gross margin of 16 to 20 percent for construction companies.

And, third, it is also supported by the evidence of the only Contract that the Omega Consortium was able to complete before the Measures, the Tocumen Airport Contract,


First, as we all know, there are sometimes slight differences between economic and reporting variables; but, more importantly,


Dr. Flores and us--there is now in the Second Report general agreement that the Discount Rate that would apply to a construction, large company operating in the United States, would be around 10 percent. So, here, in this chart, what we wanted to do is to show you how we account for risk in our valuation or additional risk beyond the U.S. market.

So, if you look at the first column, the gray column, that is the result of taking our cash flow assumptions, as-is, and discounting it by the 10 percent Discount Rate that would be applicable to a U.S.-based large construction company, and the result of that would be $\$ 54.70$ million. We acknowledge that this risk would be insufficient for the Omega Consortium. Why? Because it operates in a smaller economy, more volatile economy, and less developed. So, that warrants the incorporation of a 1.89 percent Country Risk Premium, which is commensurate with the counterparty risk of the Omega Consortium, is commensurate with the volatility in fiscal budgets. And that is what results in our assessment of which is a discount of 21 percent, had
we only considered the risks that these cash flows would have if they were located in the United States. Now, in the third column, what we do is contextualize Dr. Flores' 10 percent-plus Country Risk Premium. And Dr. Flores' country risk effect is compounded of two independent factors: First, a direct, or what he phrases as a direct, country risk measure of 4.52 percent, and that is actually inconsistent with the observation--and here you have a quote from one of our exhibits--that the cost of credit in Panamá is not only among the lowest in Latin America, but has been trending downwards for the last 15 years. And, actually, if you look at the Hausmann exhibit, the total cost of credit--which includes time value of money, industry risk, and country risk--is 4 percent, on average, for Panamanian companies. So, that can never warrant a 4.52 percent country risk by itself.

Second--and here I must clarify that Dr. Flores doesn't believe--or doesn't portray this as a Country Risk Premium, but we will explain why we bundle it up with a country risk--Dr. Flores adds a

Size Premium. Now, I would not enter into the discussion as to whether half of the literature says Size Premium is appropriate and half of the literature says it's not. I will just say that the Size Premium that Dr. Flores calculates is referenced to the U.S. market and not to the Panamanian market.

The reality is that, once you account for country risk, you have already moved the baseline of your valuation to Panamá, and within Panamá, the Omega Consortium would be a large company. So, no Size Premium should apply. And this is the reason why we say that, by comparing sizes with the U.S., he's duplicating the effect of country risk.

I will now briefly touch upon the second component of damages, losses on existing contracts. And here we rely mostly on the opinion of Mr. McKinnon. And, again, in Slide 15--this slide should look familiar now--we are trying to reconcile the valuation gap between our assessment, at $\$ 8.69$ million, and Dr. Flores' assessment at $\$ 3.77$ million.

Here, we only have two differences that
explain the valuation gap. The one at the bottom is a legal and factual issue. In his Second Report, Dr. Flores is challenging the validity of some Change Orders. That is something that he only did in his Second Report and has a stand-alone impact on the valuation of $\$ 3.2$ million. As this is a legal and factual issue, I will not comment on this, but I just wanted to note that the largest difference in the historical assessment has nothing to do with economic issues but has to do with legal and factual issues.

So, the $\$ 1.6$ million difference that is explained by economic issues has to do with the time value of cash flows and the risk assessments and, in particular, with Dr. Flores' asymmetric treatment of financing cost. And we can see that in Slide 16.

Historical damages on existing contracts are based on three components: First, unpaid progress billings. Those are billings that have been issued by the Omega Consortium before the date of valuation, and they have been unpaid for a time. As we know, companies cannot finance their operations for free. When they are missing cash, they need to replace that
cash one way or another, and they pay a financing cost for not having the cash. That is how companies operate in the real world, and that is the essence of why we discount cash flows.

To the contrary, Dr. Flores assumes that there is no financial cost whatsoever, zero, for unpaid billings. That is incorrect.

The second model of historical or existing contract damages has to do with expected profits, and here, these are the profits of completing the Projects. Here, we agree with Dr. Flores that you need to discount them by the financing costs. Obviously, Dr. Flores uses his excessive Cost of Equity, but at the end of the day, there is conceptual agreement.

And third component of existing claim has to do with net advance payments, and this is a deduction. So, the damages for existing contracts are the sum of unpaid bills plus expected profits, and less net advance payments. And we believe that they should be treated in the same way: They should be discounted by the financing costs, because they are cash flows into
the future, where Dr. Flores, as we will see in Slide 17, uses--uses an asymmetric treatment.

So, as I mentioned, net advance payments are the sum of two components. And you can see this in the first column. First are the actual advance payments--that is, money that the Omega Consortium has collected in advance and is going to be credited or, absent the Measures, was going to be credited against future billings. So, it's money that is owed by the Omega Consortium in the nominal amount of . To that, you need to subtract withheld payments or retainage--that is, balances from previous invoices that were retained by the owners of the Projects and were only to be reimbursed to the Omega Consortium at completion.

Now, the nominal amount of these two quantities is In the middle column, you can see our analysis, which recognizes that all these exchanges of cash would take place into the future. So, obviously, they both get discounted, and the net advance payment is lower, at
 Now, what does Dr. Flores does? He believes
that advance payments that are owed by the Omega Consortium need to be considered at face value, even though they were going to be credited into the future, but the amounts withheld need to be discounted, because they were effectively going to be recovered into the future. As a result, the Net Present Value of the advance payments that Dr. Flores concludes at
 is higher than the nominal amount, and that--even now, we know that future amounts need to be discounted cannot be right.

So, to conclude, I will briefly touch upon the matter of pre-Award interest. And our view, from an economic perspective, is that the Cost of Equity is the only rate that recognizes the economic harm to Claimants. Why is this? As I mentioned before, companies cannot finance their operations for free. So, if they are missing cash flows--as Claimants have been doing since the date of Measures until today--they had to replace them, and that is the financing cost that needs to be compensated. It's a cost that has already been incurred and it's linked to the asset itself.

Second--and this is more in response to a criticism that is usually done against the argument of the Cost of Equity--the Cost of Equity is independent from Claimants' identity. So, the argument goes that, if you would award damages at the Cost of Equity, you would reward a risk-loving Claimant over a risk-averse Claimant. But that is not true, because the Cost of Equity of the Omega Consortium is independent from Claimant's identity. So, it cannot be that it rewards one Claimant over another.

Second--or third is commercially reasonable, because, if we were to do a transaction in the Panamanian market for a construction company, this is the rate that we would consider as the relevant financing cost of the operations. So, there are transactions that take place at the Cost of Equity. To the contrary, Dr. Flores' proposition of a short-term risk-free rate does not even compensate for the time value of money, because it's lower than inflation, and it's not commercially reasonable because no company in the world, much less a company in Panamá, can finance its operations at a short-term
risk-free rate.
With this, I move to Slide 20 , where we present or we summarize our damages assessments which have been--remained unchanged since our First Report. In total, damages with interest, as of April 1, 2020, amount to

I thank you for your attention, and I conclude my presentation.

PRESIDENT SHORE: Thank you, Mr. Lopez Zadicoff. I believe that is in place of direct examination, Ms. Gorsline?

MS. GORSLINE: Yes, sir.
PRESIDENT SHORE: And over on Respondent's side?

MR. WEISBURG: Mr. Ryan.
PRESIDENT SHORE: Mr. Ryan, over to you.
MR. RYAN: Thank you, Mr. President.
We're handing out bundles of documents that will be used in the examination, so I'll just wait until those are handed.
CROSS-EXAMINATION

BY MR. RYAN:
Q. Mr. Zadicoff, could you please turn to Exhibit C-228 in the bundle that was handed to you?
A. Yes.
Q. This is the engagement letter that you--or the letter of instruction that you referenced in your Direct Presentation; correct?
A. Correct.
Q. And I note that this is dated June 25, 2018. That's the date of your First Report; is that correct?
A. That's correct.
Q. What date was Compass Lexecon actually engaged in this matter?
A. I don't recall, but it would be one month before.
Q. Okay. So, sir, as I understand your instructions, you were asked to assess the amount of losses, if any, suffered by Claimants as a result of certain actions, inactions, and measures, and the Claimants informed you that the Measures constituted those that are listed at Paragraphs A through C; correct? Or, I'm sorry, A through D.
A. Correct.
Q. And those Measures consisted of the Republic of Panamá's failure to make contractual payments to Omega Panamá for the completion of certain construction milestones; correct?
A. Yes.
Q. And in B, we see it's the Republic of Panamá's failure to provide required Construction Permits and Change Orders, which impeded the continuation of construction works by Panamá; correct?
A. That's what it says.
Q. Okay. And this includes two Projects of the Peripheral Markets, which we've been referring to as the Juan Díaz and Pacora Markets in the context of this Arbitration, that they were delayed with no clear date for reinitiation, and the Ciudad de las Artes Project involved failure to approve a Change Order for additional work it had requested and failed to formalize agreed time extensions and approved construction drawings; correct?
A. Yes. It says this includes but is not limited to everything that you have read.
Q. Correct. And Item C, the Republic of

Panamá's early and unilateral termination of contracts, which includes the Ciudad de las Artes Project, which was early and unilaterally terminated by INAC on grounds of unjustified delays, and the Peripheral Markets Contracts, which were terminated on the grounds of alleged breaches of contract by Claimants; correct?
A. That's what it says.
Q. And Item D is the initiation of the criminal investigations by Panamá; correct?
A. Yes. And continues, but yes.
Q. Okay. So, initiation of criminal investigations against Mr. Rivera and Omega Panamá early and unilateral termination of contracts?
A. Correct.
Q. Is it fair to say that "early and unilateral termination of contracts" may be a typo that is a carryover from what is in C?
A. I don't know.
Q. Okay. Sir, can you take a look at Paragraph 3 of your First Report.

Actually, when we get to your First Report,
actually like to start at Paragraph 1 for a moment. So, in Paragraph 1, you define Omega U.S. as Omega Engineering, LLC, and Omega Panamá is defined as Omega Engineering, Inc., and, in the third paragraph, you define Omega Panamá and Omega U.S. together as the Omega Consortium; correct?
A. Correct.
Q. So, it's fair to say at the time you wrote this Report, you had a clear understanding of which entities were which; correct?
A. I had a clear understanding, but, as I mentioned in the first slide of my presentation, unfortunately we have sometimes mislabeled Omega Panamá or assumed that Omega Panamá included the Omega Consortium. But my understanding is clear since they won that what we are valuing is the Omega Consortium as a whole.
Q. So, let's take a look at Paragraph 3, at the--so, Paragraph 3, you repeat the instructions that were given to you by counsel; correct?
A. I just copied them.
Q. You just copied them. Okay.

So, then let's take a look at Item C here for
a second. Item C states: "The Republic of Panamá's unlawful termination of two contracts and abandonment of the remainder of the contracts obliging the Claimants to voluntarily suspend them."

If we were to compare that to Item $C$ in your instruction letter, sir, there's no reference to "unlawful termination of contracts" and there's no reference to the "abandonment of the remainder of contracts," is there?
A. Well, these are considered Measures, so.
Q. Sir, my question was, in Item C of your instruction letter, there is no reference to "unlawful termination" and no reference to "abandonment," and you stated that you simply copied over your instructions as provided to you in your letter. So, you did not, in fact, copy them over, did you, sir?
A. I did not--you're right. I did not copy them over exactly.
Q. But instead you made a value judgment as to whether the termination of a contract was lawful or unlawful, didn't you?
A. Well, if it is considered a Measure, it has to be unlawful.
Q. It has to be unlawful.

Isn't that a question for the Tribunal in this case, sir?
A. No. I just taken the instructions that it was a Measure, so by my instructions, it was unlawful. I don't know if it was unlawful or not, if that's what you asked.
Q. There is no reference in your instruction letter as to the lawfulness or unlawfulness of these Measures, is there?
A. Well, if there are Measures--
Q. Sir, my question is there is no reference to the lawfulness or unlawfulness of these Measures in your instruction letter, is there?
A. I don't see the word "unlawful" in the instruction.
Q. And there's no reference in your instruction letters to the "abandonment of the remainder of the contracts," is there?
A. Well, I would say that--
Q. It's a yes-or-no question, sir.
A. Well, you want to say if this is language that is verbatim from one document to the other, the answer is no.
Q. Thank you.
A. I think that the concepts are the same.
Q. Thank you.

PRESIDENT SHORE: He can add about the concepts, Mr. Ryan.

BY MR. RYAN:
Q. Sir, if you could turn to Paragraph 9 of your First Report.

Are you there?
A. I am.
Q. Okay. So, here you state that: "In order to assess the losses suffered by Claimants in Omega Panamá, you compare two scenarios: Counterfactual and this a hypothetical scenario that reflects the value that Claimants' interest in Omega Panamá would have had as of December 23, 2014, in the absence of Measures. And the Actual Scenario reflects the Actual Value of Claimants' interest in Omega Panamá as of

December 23, 2014, with the Measures in place"; correct?
A. You are reading. I would say that this would have been better expressed if we had said "Omega Consortium."
(Interruption.)
Q. Okay. In Paragraph 10, you go on to say: "In the Counterfactual Scenario, the value of Claimants' interest in Omega Panamá stems from two sources. First, Claimants' value derives from the completion and full collection of payments of eight outstanding contracts awarded prior to December 2014.
"Second, Claimants' value derives from Omega Panamá's ability to continue as a going concern, bidding and winning further construction contracts in Panamá from December 2014 onwards in a manner that reasonably reflects its historical track record." Correct?
A. You're reading, and, as I mentioned, again, in my first slide, the problem is that Omega Panamá was leveraging from the assets that were contributed to the Consortium by Omega U.S. So, in actuality, to
be exactly precise, we should have said Omega Consortium, but the analysis remains unchanged.
Q. But, sir, you acknowledge that you knew at the time of writing precisely which entities were which, and despite that knowledge, you continued to repeatedly reference Omega Panamá; correct?
A. Well, we made a mistake in these paragraphs that you are citing. If you look at the methodological explanation that we have, constantly we are saying that the ability of generate new business is linked to the fact that the Omega Panamá, through the Omega Consortium, was able to leverage from the intangible assets of Omega U.S.

So, that is what we valued. And the numbers that we presented in our First and Second Report are unchanged, and they have to do with the value of the Omega Consortium.

And if you look at the title of our Report, it is the "Assessment of Losses of Claimants' Investments in Panamá," which include all the investments in Panamá.
Q. Sir, I understand what your title says, but
we're going to look at the substance of your Report, both your First and your Second Report, to see what you actually did.

So, if you could take a look at Paragraph 84 of your First Report as well. You say: "To compute the losses by Claimants, we assess the value of Claimants' interest in Omega Panamá would have had as of December '14"; correct?
A. You said paragraph?
Q. 84 .
A. 84. Yes.
Q. And to assess the Fair Market Value of Omega Panamá as a going concern--to assess the value of Omega Panamá as a going concern, you applied a Fair Market Value principle; correct?
A. Omega Consortium, yes.
Q. Well, we've seen statements that say you are assessing the Fair Market Value of Omega Panamá, and you have applied the Fair Market Value principle to assess the value of Omega Panamá; correct?
A. Well, if you want to point out the seven instances in the First Report that I mentioned "Omega

Panamá" instead of "Omega Consortium," we would agree.
But what I'm explaining is that the other hundred references to Omega Consortium that exist in the First Report clearly state that what we are valuing is the Omega Consortium. If you look at, for instance, Paragraph 86 immediately after this, "We estimate the future revenues to Omega Consortium would have generated in the future by analyzing and forecasting two key variables."

We write, 88, "We estimate the potential relevant target market for Omega Consortium through market forecasts as Willing Buyer/Willing Seller would do."
Q. Sir, I'm sorry. If Claimants' counsel wants to take you through all the references to Omega Consortium, that's their right to do so. But your responsibility here to answer my questions, please.
A. Well, you are asking--
Q. So, my question to you was--

PRESIDENT SHORE: Hang on, Mr. Ryan.
Did you want to add something, Mr. Zadicoff?
THE WITNESS: What I was saying is that I
heard to Respondent's Opening Presentation, that's why Slide Number 1 in my Direct Presentation was to acknowledge the confusion that could have been generated, but in all honesty, the confusion is purely semantic. In some places it is clear that what we are valuing is the Omega Consortium.

BY MR. RYAN
Q. So, sir, again, that is not what it says in your Report.

But it seems that the point you want to make here is that Compass Lexecon's attention to detail, and yours in particular, is so sloppy that throughout both your First and Second Report, you had no idea who you were referencing when you go wrote "Omega Panamá"; correct?
A. I would completely disagree with that. The issue is that, as I said, the operating company, the one handling the Projects, was Omega Panamá. So, when we say Omega Panamá won the bids, it is technically correct. We should have clarified Omega Consortium.

If you look at Dr. Flores' First Report, he
constantly refers to "Omega Panamá." He never mentions Omega Consortium, and he even titles his section "Compass Lexecon argues X or Y about Omega Panamá," and then block cites our Report talking about Omega Consortium.

So, the understanding, among the Experts, was clear that what we were valuing was a totality of the assets invested in Panamá, which constitute Omega Panamá as the operating entity; but within Omega Panamá, it has the ability to leverage the invested assets of Omega U.S.
Q. Sir, so you agree that the Fair Market Value principle is the one that you've applied in this case; correct?
A. Correct.
Q. And the Fair Market Value requires an assessment of the price a hypothetical Willing Buyer would pay a hypothetical Willing Seller acting without compulsion and with reasonable knowledge of the facts; correct?
A. I would phrase it is the price at which a transaction would take place between a Willing Buyer
and a Willing Seller.
Q. So, you agree with my position; correct?
A. I phrase it slightly different. I think it is slightly different.

If you want to repeat--
Q. So, sir, I'm just going to say at

Paragraph 61 of your First Report, you say: "Fair Market Value is defined by the American Society of Appraisers as: 'the price, expressed in terms of cash equivalents, of which property would change hands between a hypothetical willing and able buyer and a hypothetical and able seller, acting at arm's length in an open and unrestricted market, when neither is under compulsion to sell and when both have reasonable knowledge of relevant facts.'"

You agree with that standard; correct?
A. Yes.
Q. And you acknowledge that that is the standard that is required by both the TPA and the Bilateral Investment Treaty applicable in this case; correct?
A. We understand and we confirm that with Claimants, with counsel, sorry, as expressed in

Paragraph 6.
Q. All right. And in this context, the value that a hypothetical--what you were looking for is the value that a hypothetical buyer would pay a hypothetical seller for Omega Panamá; correct?
A. No.
Q. Can you look at Paragraph 49 of your Second Report.

Paragraph 49 you state: "The Fair Market Value standard main purpose is to emulate the price at which a Willing Buyer would agree to buy Omega Panamá and the price that a Willing Seller would have voluntarily agreed to sell it for."

Do you agree with that statement, sir?
A. I agree with that statement, which also includes a Willing Seller.
Q. And for an entity like Omega Panamá, the value is a function of the cash that the entity would be expected to generate in the future; correct?
A. Well, again, we are valuing the Omega Consortium. The value of any asset stems from its ability to generate cash into the future.
Q. Sir, you just agreed that "The Fair Market Value's main purpose here is to emulate the price at which a Willing Buyer would have agreed to pay Omega Panamá and the price the Willing Seller would have voluntarily agreed to sell for."

You agreed to that and you stated that it includes the Willing Seller, which, of course, was within context of what I read to you.

So, you would agree that, for an entity like Omega Panamá, the value is a function of the cash that Omega Panamá, the entity, would be expected to generate in the future; correct?
A. Like any asset, what we are valuing is the Omega Consortium.
Q. We'll talk about that. The Fair Market Value standard assumes that both hypothetical Parties have reasonable knowledge of the facts; correct?
A. Correct.
Q. And in the context of the going concern, reasonable knowledge of the facts would include basic items that could have been discovered or observed through the diligence process; is that fair to say?
A. Yes.
Q. So, for example, size of the Company?
A. Yes.
Q. The assets that the Company held?
A. Provided that's relevant, yes.
Q. The historical financial statements?
A. Correct.
Q. Its operating history?
A. That's another variable you consider, yes.
Q. Okay. So, you're aware that Omega Panama's financial statement shows that it had roughly in income generating assets as of December 31, 2013; correct?
A. Can you repeat that?
Q. Well, maybe we can just take a look. Can you take a look at C-136 in the bundle. It's the first tab in your bundle, sir.
A. Thank you.
Q. You're welcome.

This is Omega Engineering, Inc.'s financial statements and supplementary information as of December 31, 2013, and 2012; correct?
A. Correct.
Q. Have you seen this document before?
A. I have.
Q. And if you turn to Page 4, there is a balance sheet, and under 2013, if you go just above "other assets" where it says "equipment, net," it shows ; correct?

This is the total of assets, income generating assets, that Omega Panamá had as of December 31, 2013.
A. No. These are the total physical assets that are registered in the financial statements of the Omega Engineering, Inc., which is Omega Panamá. It is not the totality of the assets that we are looking at here.
Q. But these are the total physical assets of Omega Panamá as of that date; correct?
A. These are--well, it depends how you define "physical." Total assets worth

in fixed assets that Omega Panamá by itself had.
Q. Okay. And there's a reference to Note 6
that's there.
Could you take a look at Page 12. And you see, it says, at the top, "Note 6, equipments, net (continued)" and then it lists what this covers, right: office equipment, computer equipment, motor vehicles.

Do you see that?
A. I see that.
Q. And if we look at the balance at December 31, 2011, it showed office equipment, ; computer equipment, ; motor vehicle is
 there are additions that are made that take you up to the balance at December 31, 2012.

So, as of December 31, 2011, Omega Panamá had zero office equipment;
 in computer equipment; and maybe a truck or two, worth of motor vehicles; is that correct?
A. And still it had of contracts.
Q. But at this point in time, these are the assets that Omega Panamá as a company had?
A. Well, again--
Q. The equipment--let me clarify. The equipment
that it had; correct?
A. Those are the physical assets that are registered in the books.
Q. Okay. So, a hypothetical buyer would also be aware of the fact that--aware of facts regarding the country where the asset was located; correct?
A. Certainly.
Q. Issues such as political climate?
A. Yes.
Q. The regulatory environment?
A. Sure.
Q. Labor market?
A. Yes.
Q. Size and nature of the market itself; correct?
A. Correct.
Q. And, in fact, you're aware that Mr. Rivera based his decision to enter Panamá in large part on the fact that it was--it had committed to spend roughly $\$ 20$ billion over a five-year period between 2009 and 2014 on public works infrastructure projects; correct?
A. I don't recall that specifically, but I have an understanding that he decided that it was a good investment project. I don't recall it specifically, the words.
Q. So--

PRESIDENT SHORE: Well, the question is rather more precise, that Mr. Rivera based his decision to enter Panamá in large part on the fact that it was--it had committed to spend roughly \$20 billion over a five-year period between 2009 and 2014 on public works infrastructure projects.

As you sit here today, do you recall that? Yes or no?

THE WITNESS: I don't recall those words, line by line, no.

PRESIDENT SHORE: Okay. Do you recall that he entered because he believed that there was a boom that might be taking place in Panamá construction, public works contracts?

THE WITNESS: I don't recall his characterization as a "boom." I recall that he believed it was an attractive market.

PRESIDENT SHORE: Yeah, but do you
believe--do you recall anything more specific than that? Because people always invest in attractive versus unattractive markets. Is there anything more specific that you recall, if you do?

THE WITNESS: I don't recall it.
PRESIDENT SHORE: Okay.
THE WITNESS: It may very well be that he said that, but I don't recall.

PRESIDENT SHORE: Okay. Thank you.
BY MR. RYAN:
Q. Let's take a look at what he said, sir.

So, in Paragraph 15 of Mr. Rivera's First Witness Statement--I'm not sure it's in front of you, but I'm going to read it and counsel will correct me if I read it incorrectly.

PRESIDENT SHORE: Read it rather more slowly than you tend to read other things, Mr. Ryan. There is a speed limit which we're going to soon enforce against you individually.

MR. RYAN: I will.
BY MR. RYAN
Q. "In the end, I chose Panamá because I felt it was the most suitable market in which to begin our expansion and the Panamanian Government was of particular interest, as we understood it was about to initiate a significant public works program. This included plans by the Government to invest

USD 20 billion in public infrastructure projects over the next five years."

Were you aware of that at the time that you wrote your Report?
A. Yes. He does not mention a "boom." He mentions that is an increase in investment, but that's different from a "boom."
Q. Okay. And are you aware that Mr. López, when he testified, testified to the existence of a "boom" in the Panamanian market?
A. I'm not aware of that.
Q. Are you aware that Mr. López, when he testified here in this hearing, said that he understood that that boom meant that there would be an increase in spending on public works projects over that five-year period as compared to what had been
spent in the past?
A. You should ask Mr. López.
Q. I did ask Mr. López. I'm asking if you are aware that he testified to that fact, sir?
A. No.
Q. Okay. And you were here during Opening Submissions by the Parties on Monday; correct?
A. Correct.
Q. So, then you would have been here when Mr. Concepción, who is Claimants' counsel, acknowledged in his Opening Submission that Mr. Rivera and Omega U.S. "were all set to service the construction boom that was contributing to Panamá's development"; correct?
A. I assume you're citing, so.
Q. There's a transcript in front of you. I'm happy to take you to it, if you would like.
A. No, no. I have no reason to believe you are misstating the transcript. I just don't recall by heart.
Q. Okay. So, you're now aware that the intent underlying Omega's decision to enter into Panamá was
to service the construction boom which was, as Mr. López stated, a period of time in which public works spending was expected to exceed the past historical levels?
A. I'm aware of what you just read to me. If it's a question about facts, you should ask--you already asked Mr. López, Mr. Rivera. I have nothing to add.
Q. Now, sir, one of Compass Lexecon's criticisms of Dr. Flores' analysis is that it was inconsistent with the principle of full compensation because it purportedly ignored the Willing Seller component of the analysis; is that correct?
A. Yes, both because he doesn't look at the Willing Seller and because he has a specific notion that the Willing Buyer would not be interested or would not ascribe value to the intangible assets of the Omega Consortium.
Q. Okay. So, can we take a look at Paragraph 49 of your Second Expert Report, sir.
A. 49 ?
Q. Yes, sir. Now, this is a paragraph that
we've already seen, in which you state: "The Fair Market Value standards' main purpose is to emulate the price at which a Willing Buyer would have agreed to buy Omega Panamá and the price that the Willing Seller would have voluntarily agreed for it."

Then in Paragraph 50 you state: "Dr. Flores' approach contradicts this definition because it assumes that, absent the Measures, there can be no hypothetical transaction between a Buyer, Claimants', were under no compulsion to sell, Claimants would have assigned zero value to their company."

And then you go on in Paragraph 51 to
say: "This approach does not recognize that Claimants, as a Willing Seller, would have assigned a positive value of several million in their interest in Omega Panamá."

So, sir, your criticism of Dr. Flores is based on your insertion of the concept of Claimants into the Fair Market Value analysis, which calls for a hypothetical buyer and a hypothetical seller?
A. No. It's based on any Willing Seller. As it is explained here clearly in the block quote in

Paragraph 48, this means that the buyer must place either the same or a higher value on the asset than does the seller in order for the transaction to exist. So, it's any--obviously we are talking now, we are personalizing this in Claimants, but the standard is "any."
Q. That's precisely it, sir. The standard is "any," and by personalizing it with Claimants, you are, in fact, interjecting variables into the analysis that the hypothetical nature of this standard is intended to strip away. The hypothetical seller is one who is presumed to be willing and able and acting without compulsion.

By your statement in here, by interjecting "Claimants" into this, personalizes it in a way and ascribes value to the asset, whether it's through sentiment or history or whatever it may be, that a hypothetical seller in this situation would not, in fact, do?
A. No, that's not what it says here.
Q. That is, in fact, however, what you are doing by stating that Dr . Flores is ignoring a transaction

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between a "Buyer" and "Claimants"?
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A. No. Neither Dr. Flores nor us calculate any sentimental value or any trajectory value that is unrelated to market generation potential. We both value the asset objectively. Now, we disagree on the results of that valuation, but there is no sentimental value. There is nothing that is linked to Claimants in our valuation assessment.
Q. Well, sir--

PRESIDENT SHORE: I'm sorry, Mr. Ryan. I'm sorry to interrupt.

MR. RYAN: Yes.
PRESIDENT SHORE: Can I ask, who is the seller?

THE WITNESS: The seller in this hypothetical transaction--

PRESIDENT SHORE: No, no, in the actual. Who is the seller?

THE WITNESS: Well, the seller--there is no Willing Seller, but the seller would be Claimants. PRESIDENT SHORE: Yeah, but that's my question. So, the Claimants would be selling
themselves? I mean, would Omega U.S. be selling itself? Because the distinction that you--and you have explained it this morning that you have--in those instances where you refer to "Panamá" you're usually referring to the "Consortium." We've got that.

But the question $I$ have is, if it's a Willing Seller and it's not just Omega Panamá that is being sold because it needs to be part of a consortium to have value, then is Omega U.S. selling itself? Is the investor selling itself?

THE WITNESS: It's a difficult answer because there is a harm and we are entering into a hypothetical transaction that is a standard to value the harm.

Now, I don't know, you can think about it in a way, like, okay, you're selling the boots on the ground organization, and the support via consulting agreement, no compete agreement, no-that all the intangible assets that you were leveraging before in order to win the bids, you will continue to be able to leverage those assets. So, it would be a transaction that compounds management transfer, it compounds
support, availability of use, the financial backing of the Company.

If you want to take it to the real life, it's challenging. I recognize that. But that's the best way I can conceptualize it as an actual market transaction. You're transacting. You're buying the boots on the ground organization plus a consulting agreement, plus a management transfer, plus all the assets that were effectively allegedly destroyed by the Measures.

ARBITRATOR GRIGERA NAÓN: I don't want to put words in your mouth or anybody's, but are you really saying that there is a sort of unincorporated joint venture between Omega Panamá and Omega U.S. so that what is being sold is the interest in the joint venture or not? Is that part of your analysis? Because, if you are talking in those terms, then it is the intangible contribution to the Joint Venture of Omega U.S. or whatever contributions to the Joint Venture could come from Omega Panamá. Is this your analysis or is it not?

THE WITNESS: Well, as I said, I did not
conceptualize a specific form of the transaction. Eventually, the Omega Consortium bid as a block, so you can think that there was some type of joint venture there and, thus, all the contributions to the joint venture effectively need to be valued because that is what was destroyed.

Now, how you do it in a concrete transaction, as the President asked, is a different step. But, conceptually, I would generally agree with you.

BY MR. RYAN:
Q. Mr. Zadicoff, there is no reference to this notion of a hypothetical joint venture in your Report or in any of the Memorials in this case, is there?
A. I don't know about the Memorials. I know about my Report, no.
Q. And there are no--what did you say?-- consulting agreements or support agreements on the record in this case, are there, between Omega U.S. and Omega Panamá?
A. I think that there is a tacit agreement between the Companies.
Q. Sir, my question was whether there are
explicit written agreements between Omega U.S. and Omega Panamá for the provision of the types of support and consultation that you just testified to?
A. I think that when you bid as a consortium, I think they are--
Q. Sir, could you please answer my question?

PRESIDENT SHORE: Answer and then explain, Mr. Lopez Zadicoff, if you would.

THE WITNESS: Sure. No specific consulting agreements. What I believe is relevant is that the Bidding Documents or the bidding process, through bidding as a consortium, the Parties are jointly liable, and they need--so, effectively, they are providing their support because they are supporting the bidding document, and then they need to respond if that Project does not work. So, implicitly, there is a supporting agreement between the Parties.

## BY MR. RYAN:

Q. Sir, the bids that were submitted by the consortium, they included financial statements in the balance sheets from Omega U.S.; correct?
A. Correct.
Q. Those were the bases on which the bids were determined; correct?
A. I don't know how--which weight was given by the authorities to each of the bids. I know the overall results of all the documents that were presented.
Q. But in terms of the financial assessment, the financial assessment that was done by each of the Ministries and municipalities was done based off of the balance sheets that were submitted by Omega U.S.; correct?
A. I assume that all the members of the consortiums provided financial statements and the Decisions, how they are made, it is beyond my knowledge.
Q. Okay. Well, let's take a look to see whether your assumption is correct. If you take a look at QE-115 in your binder.

Have you seen this before?
A. Yes, I have seen it.
Q. Okay. This is the Report of the evaluating committee for the Municipality of Colón Province;
correct? We see this on Page 1 of the Spanish version.
A. Okay.
Q. And if you could turn to Page 4, this is the letter from Avila \& Asociados, stating that attached are the financial statements of Omega Engineering LLC as of February 28, 2010; correct?
A. Okay.
Q. And Omega Engineering LLC is Omega U.S.; correct?
A. That's correct.
Q. Okay. And we then see that on the next page, there is a--the English translations are at the beginning. There's a solvency analysis for Omega Engineering LLC, based off of financial accounts, and it looks at the current assets and current liabilities.

Do you see that?
A. I see that.
Q. And those are the current assets and liabilities of Omega Engineering LLC, as represented in this letter; correct?
A. As represented in this letter, yes.
Q. I can take you to the financial statement if you'd like to see that as well.
A. No.
Q. Okay. And there's no reference in here to a financial statement submitted as part of this bid of anybody else in the Consortium, is there?
A. I've seen many summaries of the valuation commission, and they are multiple pages in most of the cases. I don't know if this is the complete valuation or not. The excerpt that you are showing me here, or if it's complete, is--it doesn't seem to show any financial statements from Omega Panamá itself.
Q. And if we look at QE-114, this is the Report of the evaluating committee on the Juan Diaz and Pacora Markets; is that correct?
A. Peripheral Market of Pacora and Juan Díaz. (Interruption.)
Q. Yes, if you go to Page 6 of this document, we see a letter from the same AVILA \& Associates, dated June 18, 2012, attaching financial information regarding Omega Engineering LLC; correct?
A. Correct.
Q. And there is no reference in that to Omega Panamá, is there?
A. As I mentioned, there is no reference, but Omega Consortium got evaluated in many dimensions, and this has to be an excerpt of all the documents that were presented. So, again, as I mentioned, I don't know the basis, the overall basis that the valuation commission took to get the different scores, but certainly I would agree that the Omega U.S. financial statements should have been considered by the valuation commission.

But, here, you don't know--experience. You don't have any support about experience, so you don't have any support about any of the other variables, so it has to be that the actual document was much longer than what we are showing here.
Q. And we know, sir, that the Omega Panamá financial statements were never the basis for a successful bid; correct? Because we know that Omega Panamá bid in at least 10 public sector--for at least 10 public-sector contracts as well as additional
private-sector contracts, and you acknowledge that Omega Panamá, as a stand-alone entity, never won a single contract; correct?
A. Omega Panamá, without the support of Omega Consortium, never won a single contract.
Q. And with respect to the hypothetical transaction that is required as part of the Fair Market Value analysis, once that transaction completed, the Buyer, whomever it may be, would not have been in a position to continue to put forward Omega U.S. financial statements in support of its future bids, would it have been?
A. I disagree.
Q. It is your position that a new owner of Omega Panamá would have been able to continue to rely on Omega U.S., which was an entire separate Company's financial statements, for purposes of bidding on future projects under the Omega Panamá name in Panamá?
A. That's the essence of the Omega Consortium, the transactions should take place, encompassing all the assets of the Omega Consortium, because the position is that those are all the assets that were
destroyed by the measures.
Q. Sir, you were asked the question earlier by the Tribunal as to whether Omega U.S. was intending to sell itself as part of this process. There is no evidence on the record that Omega U.S. intended to sell itself as part of any hypothetical transaction involving Omega Panamá, is there?
A. There is no evidence whatsoever about any hypothetical transaction. The only reason we are discussing a transaction is because there is a measure, so there is no evidence that Omega Panamá was up for sale.
Q. And, in fact, Mr. Rivera had a plan in place where he intended to replicate the Omega Panamá structure of incorporating the local entity and then expanding Omega U.S.'s presence in the Caribbean region by opening other similar companies in other countries; isn't that true?
A. You should ask Mr. Rivera about that.
Q. Okay. Okay. So, just so, I understand, your position is that, after a hypothetical purchaser buys Omega Panamá, it could still have access to and rely
on the financial statements of an entirely separate Company that it had not purchased in supporting its future bids?
A. The valuation assumption is that we are looking at the Omega Consortium, which includes the totality of Omega Panamá and the support and the ability to provide support that Omega U.S. was providing to Omega Panamá through the Omega Consortium and all the value potential that was going to be generated within Panamá. We are not looking at the value potential outside Panamá. We are looking exclusively at Panamá.
Q. So, Omega Panamá is--it's an interesting asset; right? It's not the equivalent--it is not like you're attempting to sell a share of Apple, this is a small, privately held Company, construction Company, in a Central American country. So, the pool of potential Buyers, actual or in this case hypothetical, would be limited to those types of entities that would believe that they could benefit from having--or who are looking to expand into Panamá or believe they could benefit from having an established resource on
the ground in Panamá.
Would you agree with that?
A. No.
Q. So, is it your position that the hypothetical analysis assumes that it would be reasonable for a Buyer like me to purchase Omega Panamá, someone who has absolutely no experience in the construction industry?
A. No. It's a hypothetical Willing Buyer that would look at the assets and will find value in those assets and will provide a value that would be acceptable to a hypothetical Willing Seller. So, it's not you, me, or no one in particular. It has to fulfill these conditions of desirability for the assets subject to the valuation.
Q. There has to be a basis against which the hypothetical buyer standard is measured, isn't there, to determine whether that hypothetical buyer would see value in particular components of what it is purchasing.

So, for example, if the hypothetical purchaser was a multinational construction company
that had been in existence for 40 years with \$200 million of annual revenues, it would have no need in purchasing Omega Panamá to rely on the financial statements of Omega U.S. in bids going forward because, in that scenario, you would agree, that that purchaser could substitute in its own financial statements and immediately step into the same types of shoes that you claim the Omega Consortium was in as of December 31, 2014; correct?
A. That's what I referred when I mentioned the second slide of my Direct Presentation, the second contents slide when I said that is exactly the example Dr. Flores is providing because he has in mind a specific Buyer. Your premise is that the specific Buyer would not be interested in the assets subject to the valuation. So, by definition, they will ascribe a zero value to those assets. So, there is no need for an exercise in valuation. It is, by definition, you're not interested.
Q. Well, no, the exercise in valuation is the exercise in value in what you say you are attempting to value in your Second Report, which is the value of

Omega Panamá as a physical entity capable of acting as a going concern on a going-forward basis.

What value did Omega Panamá itself have to a potential hypothetical buyer?

So, I just want to change topics for a second. We've been talking about financial statements and things, but the ability to obtain financing was a particularly important part of the public construction--or the public works bidding process in Panamá; correct?
A. Financing and bonding, in particular.
Q. Right. And you're aware that Mr. Rivera testified that most bids for public construction projects required financing from the Contractor?
A. You can read me his testimony.
Q. If we look at Paragraph 29 of Mr. Rivera's First Witness Statement. He states: "At the time in Panamá, most bids for public construction projects required financing from the Contractor."
A. Okay. It says that it was atypical, and I don't know what--but, yes.
Q. Well--I'm sorry. Sorry, I did not mean to
speak over you.
The sentence above it: "At the time in Panamá, most bids for public construction contract projects required financing from the contractor. This was atypical for us as most public projects in which we had been involved outside of Panamá only required financing if they were structured as concessions."

So, his use of the word "atypical" there is intended to contrast Panamá from the other projects he had been involved with outside of Panamá; correct?
A. Well, that's what it says here.
Q. Okay.
A. I don't know what time; right? At that time. It doesn't say "today."
Q. Well, okay. If you read--if we go on then it says: "In Panamá, however, contractor financing was generally required and, as I understand it, this continues to be the case today."
A. Happy to work with that assumption.
Q. Okay. So, if a company was unable to obtain financing on its own, it is unlikely that it would have been able to score any points, many, if any
points in the financial analysis portion of the tender process.

## Is that a fair statement?

A. I don't think "any points" probably would not achieve maximum score, but I wouldn't say "any points."
Q. So, you think if a company submitted a bid that had no history of obtaining independent financing for a project, and could not demonstrate its ability to secure financing for a project, you think they would receive some points?
A. Well, you just showed me two excerpts of two bids in which what they were doing is stress tests and liquidity ratios. And those were the basis, according to you, to assign the points of financial capacity. So, those points would have been assigned in any case because they have nothing to do--there's an objective criteria to award points, and the points would have been assigned.
Q. Okay. So, a company like Omega Panamá, for example, with its financial statements would certainly, on a stand-alone basis, secure fewer points
than a company that has a stronger financial history and a larger financial sort of background; correct?
A. A company will show that Omega Consortium obtained maximum points within the requirements of the target market in most of the bids it participated in.
Q. Sir, my question was about Omega Panamá, not the Omega Consortium.
A. Well, I need to look. There are only 10 bids. If we look at how much Omega Panamá scored, I don't know, but it depends. You need to look at the bidding qualifications, and they are not the same for a 2 million project that they are for a 100 million project or a billion-dollar project. So, it depends on the guidelines.

What I can tell you is what I analyze, and the Omega Consortium obtained maximum score in the largest majority of all the bids it participated. So, no one would be able to outpace the maximum score. They could match it, but they could not outpace it.
Q. And as we see, those bids were submitted on the basis of Omega U.S.'s financial statements.
A. No.
Q. Omega Panamá's financial statements, those financial statements reflected revenues generated from Contracts that were won by the Omega Consortium; correct?
A. Yes.
Q. And on Omega Panamá's financial statements, there was no revenue or, at most, de minimis revenue that was generated by Omega Panamá itself on a stand-alone basis?
A. On a stand-alone basis without the Omega Consortium? That's correct.
Q. Okay. Now, to determine Omega Panamá's Fair Market Value, you used a DCF analysis; correct?
A. To determine Omega's Consortium Fair Market Value, we use a DCF analysis.
Q. Well, we've seen multiple references, and we can go through more multiple references in your Second Report where you have stated that you are valuing Omega Panamá. But you agree that you used the DCF analysis; correct?
A. I agree we used the DCF analysis.
Q. And the DCF is an income-based valuation that
looks--that effectively values a business on its ability to generate future cash flows?
A. Correct. That's the meaning of economic value, is the ability to derive value into the future from an asset.
Q. And World Bank Guidelines explain that for a going concern, that concern must have been in operation long enough to generate data required for the calculation of future income; correct?
A. You can show me that?
Q. Sure. If we can turn to QE-19.

Are you there, sir?
A. I'm here.
Q. Okay. So, if we look at the first page, you see this is a document from the World Bank Group, entitled "Legal Framework for the Treatment of Foreign Investment, "Volume II, Guidelines."

Do you see that?
A. Yes, it's a 1992 document at the World Bank.
Q. I understand that. But you see that?
A. I see that.
Q. Okay. And you're familiar with this
document?
A. I have seen it, yes.
Q. If we turn to Page 42. Are you there, sir?
A. I'm here.
Q. Okay. Paragraph 6 states: "Without implying the exclusive validity of a single standard for the fairness by which compensation is to be determined, and as an illustration of the reasonable determination by a State of the Market Value of the investment under Section V above, such determination will be deemed reasonable if conducted as follows."
(i) states: "For a going concern with proven record of profitability on the basis of the Discounted Cash Flow," and (ii) then says: "For an enterprise, which is not of a proven going concern, demonstrates lack of profitability on the basis of liquidation value."

And then if we go down, says: "For the purposes of this provision, a "going concern" means an enterprise consisting of income-producing assets, which has been in operation for a sufficient period of time to generate the data required for the calculation
of future income, and which could have been expected with reasonable certainty."

Do you agree with that requirement?
A. I need to apologize because I was lost. You were--I was at Paragraph 45, and you said Page 45? Or--
Q. I didn't say page. I didn't say 45. Page 42?
A. Okay.
Q. Paragraph 6.
A. Okay.
Q. So, if we look at--my question--my original question--

PRESIDENT SHORE: Why don't you give him a chance to read, Mr. Ryan. And then you can go back to your question. If you take a look through the passages on going concern, Mr. Lopez Zadicoff.

THE WITNESS: Okay. I've read it.
BY MR. RYAN:
Q. Okay. So, you would agree that, for purposes of the DCF, a going concern must have been in operation long enough to generate data required for
the calculation of future income; correct?
A. I would agree that the legal framework published in 1992 at the World Bank is what it says here. I would disagree that that is what financial and economic practice does, but that's what it says here.
Q. Okay. We'll leave that for a moment. Omega Panamá had, I believe, three years of audited financial statements; is that correct?
A. Or started--it probably had a partial in '09, '10, '11, '12, '13--four years.
Q. Probably had a partial in '09, or it had a partial in '09?
A. I don't recall having seen the partial in '09, but--
Q. Okay. So, you only recall seeing three?
A. Yes.
Q. Do you recall seeing any?
A. Yes. I recall seeing them.
Q. How many do you recall seeing?
A. Maybe three.
Q. Okay.
A. Those are the ones on the record.
Q. Okay.
A. But one has a comparative; right?
Q. Omega--so, Omega Panamá has three years of audited financial statements. It also--Omega Panamá also has a limited bidding history; correct?
A. I would not say it has a limited bidding history. It has 42 bids.
Q. Omega Panamá, if we were to look at--if you go to the last tab in your binder, which is $Q E-1$, which is a demonstrative that was prepared by Quadrant on the basis of the bid history that Compass Lexecon used, we can see that Omega Panamá as opposed to the Omega Consortium bid on the 10 MINSA CAPSI Projects; correct?
A. In 2010.
Q. If you look at--if you turn to the first page in that, do you see?
A. Okay.
Q. You've seen this exhibit since it was handed out at the Opening?
A. I've seen it.
Q. Okay. So, the fourth column over, fourth, fifth, and sixth columns, indicate whether the bid was made by Omega Panamá itself or a consortium of Omega Panamá and some either Omega U.S. or some third Party. We can see that the only bids by Omega Panamá itself were Numbers 1 and 2--or, I'm sorry, no, that's not true. I'm sorry. It is Numbers 4-13. Correct? Do you see that?
A. By itself, yes.
Q. Okay. And all of those on this table occurred in one year; correct? They were all in 2010?
A. Correct.
Q. And Omega Panamá as a stand-alone entity won zero of those; correct?
A. Yes.
Q. And when we look at the consortium itself, you see that there were 21 bids in 2011, three bids in 2012, four bids in 2013, and zero in 2014; correct?
A. Correct.
Q. And President Varela did not take office until July 2014, yet there were no bids in the first half of 2014; correct?
A. Well, that's a little bit disingenuous because the election took place, I think, in May, and there are certain provisions in the Budget Law that Dr. Flores introduced that explain that there are a lot of limitations about what a Government can do in the last six months of the Administration. So, that to ensure a safe transition.

So, I would expect that the amount of new Contracts in 2014 would be lower, that is subject to Tender, and also as I explained bidding is strategic. We have nine Contracts outstanding. So, yes, the facts are that 2014 there was no bidding activity.
Q. What are the nine Contracts? Because we've been talking about eight Contracts in this case up to this point. You've now introduced a ninth. What is the ninth?
A. I need to correct myself: 2014, there were eight contracts outstanding. The ninth contract is an Aeropuerto Tocumen Contract that was completed by Omega Consortium itself, I think, in 2013. And that is the reference that we provide in our Direct Presentation about the profitability that
comes out of the Omega Panamá financial statements.
Q. Okay. So, you reference the downward trend in bidding. The downward trend in 2013 and 2014--I'm sorry, 2012-2013, this also coincided with difficulties that Omega U.S. was experiencing in works that were ongoing in Puerto Rico; correct?
A. I'm not familiar with that.
Q. Were you aware that in 2012, Omega U.S.' lines of credit were canceled as a result of having being overdrawn and delinquent?
A. I think that is a factual issue. I've read it in Dr. Flores' Report, but I don't--that's not something that I analyzed. I know that there is a dispute. I don't know what the outcome of that dispute was or the risk.
Q. You didn't speak with Omega or Omega's counsel about that in performing your analysis to see the effect that it might have had on your conclusions?
A. I confirmed when I noticed it in the Second Report that this was something that did not destroy the intangible assets of Omega U.S., and they told me that it was part of the normal course of business.
Q. Okay. In your experience, is it part of the normal course of business for a company to have its lines of credits frozen or terminated?
A. It could happen if there are disputes. I don't know if those are the facts, undisputed facts that the lines of credits were frozen or terminated, but you have commercial relationships with banks. Sometimes--even those go sour. Sometimes contracts don't go as planned but that doesn't destroy. It is part of the normal business. On average, you can continue because you source new lines of credits, you source--I don't know. You do other contracts, and that's part of the normal course of business. Okay?

PRESIDENT SHORE: Mr. Ryan, when you come to a good point in the next few minutes, it would be, I think, a morning break, when you come to a good point. MR. RYAN: I only have a couple more questions in this area.

PRESIDENT SHORE: That's fine. That's fine. BY MR. RYAN:
Q. So, sir, were you aware that in 2012

Omega U.S.
A. I looked at that because you put it in your Opening Presentation, and, yes, the , but it's not related to contract performance. That is a job--the industry that we are looking at, it's related to investments in other assets.

So, you look at the gross margin and the profitability and the Contract works, and that is positive, and then you have a lot of deductions and additional costs because there were some investments that were made and were not profitable. I don't know what those investments are, but regarding the contract business, it was still profitable.
Q. So, we saw that with respect to the bids that were submitted, they were submitted on the basis of U.S.--Omega U.S.'s financial statements, and it would be fair to say that the reflection of $\square$ for that year would have an effect on the financial statements that would be--be able to be submitted in support of future bids; correct?
A. With the in the future bids that were made, they not impact significantly the overall financial score of the Omega Consortium, because we
can see that they had excellent score in most of the bids they participated.
Q. And you're aware that, in 2013, a Puerto Rican court issued a judgment attaching Omega U.S.'s assets due to an unpaid debt of correct?
A. Again, I read that in Dr. Flores' Report. That's a factual issue. What I know too is that Omega U.S. was awarded another Contract in 2014 in Puerto Rico, and that is one of other exhibits of Dr. Flores. So, it has to be that it didn't impair the ability of Omega U.S. to continue work.
Q. And, again, you're aware that, in 2013, Omega suffered a --Omega U.S. ; correct?
A. Not on the construction business. In the bottom line, after financial investments are considered.
Q. Okay. Sir, one way of addressing speculativeness in terms of the operating history of a company when you're doing the DCF analysis is to adjust upward the Discount Rate to reflect for
uncertainties in future cash flows.
Do you agree with that?
A. I wouldn't characterize--how you said, that there's a way to adjust for speculative assumptions. There is no room for speculative assumptions in our cash flow calculations. We do all our assumptions based on market evidence and how we believe the market will react. Those are expected variables. Then, you adjust for risk that your reasonable expectations would not turn as you have hoped, because that's how businesses are, and that's the role of the Discount Rate.

So, if there--more uncertainty in certain valuations, or more risk in certain industries, you look at the market price for risk for that specific industry, and that's what we do by calculating the Discount Rate.
Q. Just to be clear, you did not make any adjustments to your Discount Rate calculation to account for the very short operational history of Omega Panamá, did you?
A. I don't think--neither of the Experts has
done any adjustment for that factor, and because that factor is not appropriate. In the case at hand, we have sufficient certainty to be able to estimate cash flows with reasonable certainty.

MR. RYAN: Okay. Mr. President, this would be a good time for a break.

PRESIDENT SHORE: Thank you, Mr. Ryan.
Let's take a 15-minute break, and, Mr. Lopez
Zadicoff, you know the rule: Don't talk to anyone about the case. Thank you.

THE WITNESS: Thanks.
(Brief recess.)
PRESIDENT SHORE: Back on the record.
Mr. Ryan.
MR. RYAN: Thank you, Mr. President. BY MR. RYAN:
Q. Mr. Zadicoff, I'm going to ask you to take a look at Exhibit QE-104, please, which is not in your bundle but will be given to you by my colleague.
A. Okay.
Q. Do you see that?

This is the Consolidated Financial Statements
and supplementary information for Omega Engineering LLC and its subsidiary dated February 28, 2013, and February 29, 2012; correct?
A. Correct.
Q. Have you seen this before?
A. I have.
Q. Can you turn to Page 7, which is marked in the bottom right-hand corner "C," and it ends in "62"?
A. Correct. Yes, I'm here.
Q. Okay. So, you had stated earlier when we were talking about $\square$ were unrelated
to the construction industry.
If you look at 2012, the--I'm sorry. To be clear, the construction business, not the construction industry.

If you look at 2012, we see a loss--under the line "Earnings or Loss From Operation," correct?
A. Yes. It was referring to the gross profit that is positive, and that's what I recalled. But I can see that after general and administrative expenses
in 2012, there was this loss.
Q. Okay. And, of course, general and administrative expenses are something that you need to account for, generally, when considering whether a company has earned or lost money in a particular year?
A. Yes. I don't know how--certainly you account for them, and we account for those in the valuation. Regarding Omega U.S., given that I have not had insight into the projects, what I looked at was the gross profit, and that's the profit you can directly attribute to the construction projects that were in place.
Q. When you said you don't have insight into the projects, does that mean you don't have insight into Omega U.S.'s projects, or what were you referring to there?
A. I don't have insight into Omega U.S.'s projects that are outside Panamá through the Omega Consortium.
Q. Do you know whether there were any projects ongoing outside of Panamá at this time?
A. Well, as I mentioned, I think I recall there
is one of Dr. Flores' exhibits that mentions a project that was awarded, I think, in 2014. It could be 2013, but I'm pretty sure it was 2014.
Q. But you have no personal knowledge of Omega U.S.'s business outside of Panamá, do you?
A. Personal knowledge? No, certainly not. I can see the Financial Statements.
Q. Okay. If we look at 2013, it shows an earnings of from operations, but then it also shows bad debt expense, . That bad debt, it was associated with the operations; correct?
A. I'm sorry. Where?
Q. We're on the same page that we were on. Page 7, ending in C-62.

> Do you see that?
A. Well, not really. This is under "Operations." So, it's a bad debt expense that is registered in the same block, that realized gain on sale on the investments. So, this is--my indication is that all this is related to investment activities, so trading activities that are outside the contracting
industry.
Q. Sir, realized gain on sale of investments is a completely separate item from bad debt expense. They are not linked in this financial statement in any way.
A. I disagree. They are all under other revenues and expenses and below earnings from loss--or loss from operations. So, I think that they are linked.
Q.

A. I see that.
Q. Okay. So, those would be associated with the construction business; correct?
A. There is a reason why they were expressed below the line of
Q. Sir, my question, though, is: You agree that the line
 is related to the construction business?
A. Well, it could very well, but there is a reason. It's not related to the actual performance of the construction company, because otherwise it would
be in the gross profit. It has to be--well, I'm just speculating, but it could very well be that it is just that clients stop paying and then you have a lawsuit, so you register a bad debt, or you have other losses for construction companies, but it's not related to the operations. That's all that I'm saying.
Q. Okay. Sir, Compass Lexecon takes the position that if, on a going-forward basis, the public sector demand in Panamá that you had assessed was overstated, there is no reason to believe that Omega Panamá could not fill up its spare capacity with private-sector projects; is that correct?
A. We mentioned that that's a possibility and provides further comfort to our numbers, but our assessment is done exclusively by looking at the public works market. So, we don't have any cash flow related to private bids or private projects in our calculations.
Q. Okay. So, just to confirm, then, you're aware that Omega Panamá did not win a single private sector bid; correct?
A. The Omega Consortium in Panamá did not have
any private sector bid.
Q. And you're aware that--there were
private-sector bids that were made, sir, but they were lost; correct?
A. Yes.
Q. And you're aware that Mr. Rivera testified that some of these bids were made with owners with whom Omega U.S. had prior relationships in Puerto Rico; correct?
A. I'm not aware of what he testified. I was not here for his testimony, but it could very well be.
Q. Did you review the Transcript of any of the testimony given to date?
A. I think that I reviewed a portion of Mr. Rivera's Transcript where it mentioned--where he was asked about something, or that with it, where Compass Lexecon was mentioned, but I didn't review the whole Transcript, no.
Q. Okay. Your Report does not analyze the size or nature of the private sector construction market in Panamá; correct?
A. We don't look at the private sector, no.
Q. You don't look at growth trends in the market?
A. Specifically, no. To the extent that we look at the macroeconomy, that has implications for the construction sector as a whole, but--
Q. You make no analysis of the size or nature of the private construction market in Panamá; correct?
A. No.
Q. You do not analyze how Omega Panamá would have fit into that private sector market, do you?
A. No.
Q. Now, Mr. Zadicoff, I just want to change topics briefly and focus on an issue that affects losses relating to existing contracts. And you had said in your Opening--and I'm paraphrasing, but you'll correct me if I mischaracterize anything that you said--but you said that one of the issues that is relevant to the difference between you and Dr. Flores is the treatment of advance payments; is that correct?
A. That is correct.
Q. Now, the advance payments were made to Omega Panamá at a very early portion of their projects;
correct?
A. I think that's how it works. They collect a portion of the total Project costs at the onset of the construction.
Q. And do you know how Omega Panamá used that money?
A. How it used it? I assume it used it to--I don't know for a fact. I didn't trace the money.
Q. What do you assume that they used it for?
A. Well, they hold it, and they finance--they need to pay contractors. They have the money, and I assume they can use it to perform the contract. It's part of the idea of providing an advance to your contractor.
Q. And while they were holding the money, they would have been free to put it into an interest-bearing type of account; correct?
A. I don't know. There are probably regulations that limit what you can do with advance payments, so that they protect the owner, but I don't know, in particular, in this matter.
Q. So, you have no idea as to whether there are
any such regulations in Panamá that were in effect here, do you?
A. I assume they existed, because it's normal, but I don't know.
Q. You don't know. Okay.

Were you aware that Mr. Rivera, I believe, testified that he used portions of the advance payment to pay for other projects that were unrelated to the construction industry in Panamá?
A. I'm not aware.
Q. Okay.

MR. RYAN: Mr. President, I have no further questions.

PRESIDENT SHORE: Mr. Ryan, thank you very much.

Ms. Gorsline?
MS. GORSLINE: Would the Tribunal prefer to ask their questions first, Mr. President?

PRESIDENT SHORE: I think we should hear from you, Ms. Gorsline, and then we will give--given that it looks like we've got adequate time, then the Tribunal will come back, ask questions, if we have
any, and give both of you a chance to follow up.
MS. GORSLINE: Thank you, sir.
PRESIDENT SHORE: So, you won't be confined now, nor will you, Mr. Ryan.

MS. GORSLINE: All right. Might I have just a moment to confer with my colleagues?

PRESIDENT SHORE: Yes, of course. Yes.
Absolutely.
MS. GORSLINE: Thank you.
(Pause.)
PRESIDENT SHORE: Ms. Gorsline.
MS. GORSLINE: Thank you, Mr. President.
Claimants have no questions for the Witness. PRESIDENT SHORE: Professor Douglas. QUESTIONS FROM THE TRIBUNAL

ARBITRATOR DOUGLAS: I just want to go back to this relationship between Omega U.S. and Omega Panamá. During the bidding process when they bid together, presumably you would describe this as Omega U.S. giving something of value to Omega Panamá and you could monetize that, you could calculate that
if you really wanted to. There wasn't an agreement, it seems, in this case, but you could certainly put an economic value on that contribution to the bidding process; is that correct?

THE WITNESS: Theoretically you could do it. ARBITRATOR DOUGLAS: And so, when a
hypothetical buyer is looking at Omega Panamá, it would be trying to put a value on that contribution. THE WITNESS: So, if we were only looking at Omega Panamá, we should try to parse what's the value of the contribution is and how it contributes to the overall $\square$ value. So, $\square$ value that we calculate is the sum of all the assets. So, theoretically, you can divide it through certain analytical steps.

ARBITRATOR DOUGLAS: And if you can do that, doesn't it make a difference--sorry, if we can do that, doesn't the probability of whether or not that contribution will continue, become relevant to the value of the asset today assessed by its future income-producing potential?

THE WITNESS: Well, it depends. Again, I get
your question as coming, okay, let's assume that all that it is to value is Omega Panamá and not the Omega Consortium. Is that my correct reading?

ARBITRATOR DOUGLAS: Well, it is looking at Omega Panamá, which may have value attached to it by virtue of its relationship with another entity, and the question is whether a buyer is--what value would the buyer put on that value, that is derived because of its relationship with another entity?

THE WITNESS: Right. But I'm trying to understand whether you want me to assume that the assets that I'm valuing are the totality that includes Omega Panamá and this relationship or just Omega Panamá. Because if it is the former, it is the totality, given that this is a kind of subsidiary from an international company, I will have no reason to believe that this relationship will stop.

ARBITRATOR DOUGLAS: That's the point I was getting to. So, yeah, I was absolutely asking about as a totality, but then don't we need to make an assessment of the likelihood that the relationship will continue? Don't we have to make an
evidence-based assessment of whether that's the case because that, in turn, will affect the value of that relationship which is a component of the thing that you evaluate?

THE WITNESS: That is correct. As a factual issue, I would suggest that when you're looking at subsidiaries--if this would be an unrelated party with whom you had a consulting agreement for 5 years or 10 years or sometime of supporting agreement that is limited in time, then I would agree you would need to assess a probability that that would renew.

But given that this is a direct investment in a subsidiary form to capitalize on the same assets and put them at risk to win new projects, I would--the logical assumption in my valuation view is that you would consider that the relationship would continue into the future because the basis for doing the subsidiary, the investment, is to capitalize on these investments in the Panamanian market.

ARBITRATOR DOUGLAS: Okay. But if that's the case, then doesn't the financial condition of the parent--isn't that relevant, then, in assessing the
probability or the likelihood that the relationship will continue but also have value because suppose--just taking a hypothetical, suppose Omega U.S. becomes insolvent and we know that, at the date of valuation, that that's likely, then obviously the relationship wouldn't be worth much and that would affect the Present Value.

So, I'm not saying that it was going to become solvent, but the solvability or the financial condition of the parent in that scenario, doesn't that become a relevant consideration if you're trying to value that relationship going forward?

THE WITNESS: Objectively or from an overall standpoint, it does. So, obviously if Omega U.S. would, for reasons that are not related to the Measures won't be able to provide the support to Omega Panamá into the future, that would be--would affect the valuation assessment.

Now, I see no indication that, absent the Measures, Omega U.S. would not have been able to continue providing the support because the balance sheet that it had was adequate, as we saw in the

Bidding Documents, as of the date of valuation, and the construction profits that it was achieving was still positive and there was a positive equity value. So, there is no reason to believe that Omega U.S. would disappear and stop providing the support to the Omega Consortium.

ARBITRATOR DOUGLAS: This may be more of a factual issue in which case you're free not to answer it, but when someone is looking at bids and they are looking at the financial situation of the bidder, and would be both entities in this case, I mean, what sort of view are they taking of the accounts? Are they doing a very careful analysis that you are but distinguishing between its core construction business and other aspects, or are they just looking at the bottom line and saying, well, the operating profit or loss for this year is positive or negative and be satisfied with that sort of high-level analysis?

THE WITNESS: Well, it depends on the bid; right? Each of the bids has defined certain criteria. But overall, as we were discussing before, you have certain liquidity ratios and solvency ratios, in which

Omega U.S. was able to perform, and you also had the requirement to have bonding capacity or sometimes financing capacity.

To obtain bonding capacity, you need a track record with financial institutions in which financial institutions will know that every now and then one project would go sour and you will have a bad debt expense. But they will care about your overall performance, and that's how they will decide to extend letter of credits or not, act as a bonding agent or not.

So, there is the objective criteria that is outlined in each of the bidding processes where the Omega U.S. or Omega Consortium was able to excel, so we don't have reason to believe that that would stop. And then you have the existence of bonding capacity, which is also considered by the bid documents, but the rationale that banks follow or bonding agents follow to provide bonding capacity looks at an overall long-term payability of the Project, of the Company--sorry. And based on what I have seen, there is no reason to believe that

Omega U.S. would have become insolvent because it was completing its Project. Maybe it didn't have many more projects outside Panamá or--because if you look at the financial statements, they are winding down in projects in a way, but that would not generate a loss by itself. It would just stabilize the financial statement.

And the reason why actually you will expect that Puerto Rico would be a stale market in a way is because we need to remember that at this point it was into a very long recession period; right? So, that's why you go into other markets and you rededicate your resources.

ARBITRATOR DOUGLAS: Thank you very much. That is very helpful.

PRESIDENT SHORE: Professor Naón.
I think I just have one question following on from Professor Douglas. It's the comment you just made a minute ago, Mr. Lopez Zadicoff, that you--am I right that you said you would see no reason in a hypothetical sale and purchase that Omega U.S. would refuse to provide support. That is, you would assume
that it would continue to provide support. Is that right?

THE WITNESS: Right. Given that it is a subsidiary and it was--the Panamanian entity as a subsidiary was created with the purpose of capitalizing on the assets. That I would not expect that support would be interrupted.

PRESIDENT SHORE: But it is a separate entity--correct?--Omega U.S., and if it continues to provide support, and a hypothetical purchaser of Omega Panamá would understand that to be the case, would it not also be understood, hypothetically, that it would take a share of something to continue to provide support? I mean, support wouldn't come free.

THE WITNESS: Well, I think it goes--it goes to the distinction of what we are valuing--right?--because in my view what you are valuing is the support provided by Omega U.S. that would continue being provided to Omega Panamá. If we were valuing and splitting--so, that's why when you asked me before, I said, okay, this is like buying--if you want to conceptualize this, it is like buying a
company that is operating boots on the ground, running the Projects, plus an agreement that is an ironclad agreement that you will continue receiving the support of Omega U.S.

PRESIDENT SHORE: I follow that. Thank you. Professor Naón.

ARBITRATOR GRIGERA NAÓN: Let me see if I understand where we are after the questions of my distinguished colleagues on the Tribunal.

Number one, you were referring to an objective evaluation of the continuing support of Omega U.S. to Omega Panamá, but wouldn't part of that objective evaluation be the terms of the bidding process itself on the basis on which the bids were allocated to the Consortium? That's my question. To which extent do we have to look into the bidding process, the Bidding Documents, and the conditions under which the Contracts were awarded?

THE WITNESS: Well, that could be one way of attempting to parse away the value between the two sets of assets that we are valuing within the Omega Consortium. So, if you say, okay, you look at the
bidding process as you are mentioning, and you have different characteristics and you will say, okay, I believe that Characteristic Number 1 is won because of Omega Panamá. Characteristic Number 2 is won because of the intangible assets and so on and so forth. You could be able to do kind of an assessment of how much each of the companies is contributing to winning, and then try to attribute value in one way or another. So, that could be one approach.

A different approach could also say, okay, let's think about--I don't know if Omega Panamá is a selling agent or a management agent of the assets that were considered. So, you will look at it from another different perspective. But I think that there is not something that we have done and we will need to think about it, how to parse away the value in detail. But certainly there are valuations of intellectual property or other intangible assets that are usually done and they could be--we could attempt to perform them.

ARBITRATOR GRIGERA NAÓN: If I understood correctly the question of my Chairman here, he was
trying to identify what was the benefit or consideration for Omega U.S.A. to be in the picture. But I don't want to put words in your mouth, but wouldn't that be just the share participation, the interest of Omega U.S.A. and Omega Panamá, because, of course, if Omega Panamá gets money and benefits, it will reflect in the dividends that would be paid to Omega U.S.A.?

Wouldn't that be--
THE WITNESS: Well, that--that's how things flow from a corporate structure, and it all belongs--all the companies belong to the Claimants, so, at the end of the day, all money goes to the same place, if I understand correctly.

So, for me, this is--when I look at this, this is an indivisible investment, because you did the investment in Panamá in order to profit from your capacity to generate new business, and that materialized in the past in nine Contracts and will continue to materialize in the future in more contracts. So, overall, yes, at the end of the day is how all of this would have been valued, generated in

Panamá that would have reached Claimants.
ARBITRATOR GRIGERA NAÓN: Thank you.
PRESIDENT SHORE: So, on that last point, Mr. Lopez Zadicoff, you would be purchasing--the hypothetical Buyer would be purchasing the continued participation of Omega U.S.?

THE WITNESS: Yes.
PRESIDENT SHORE: Because we're not talking about shares here; right? We're not talking about a normal subsidiary transaction. Let's say, for example, there's a gas consortium, and it's all within one group of companies, and you have a gas supply company, and it has rebates within the group of companies because they can all trade off their own balance sheets.

Let's say there is no antitrust issue, and so they can all trade off their own balance sheets, and someone wants to purchase the gas supply portion in that group of companies, but, if they do that, they are not going to get the rebates, are they?--because that can only work within the group of companies. So, they would lower the purchase price; right?--that they
would pay for the gas supply company because without the rebates it is not as valuable.

And let's say in a hypothetical sale and purchase, someone would know, without that relationship, it's not as valuable.

So, in this instance, what you would be purchasing is the continued relationship?

THE WITNESS: Yes. The relationship is purchased by the--I would argue that, your example, if I'm holding the segment against the rebates, I would not be able--I would not willingly sell for something that is less, that $I$ can obtain in an objective way because, here, the rebates are objective.

PRESIDENT SHORE: You know, the rebates are actually within the--they only work within the group of companies, because you can only trade off the same balance sheets. It's a similar example here. I'm not sure that it is objective in that way.

I'm not sure $I$ follow that, because if you're going to sell, you're going to understand that, if--if the Willing Buyer know about the rebates, and let's say there's transparency, you are going to understand
that the Company is less valuable without the rebates. Everyone is going to understand that, because the Company has been built up and trading off other balance sheets.

Here, it's a similar situation, isn't it?
Here, it's a similar situation in the sense that anyone would know that the Company, Omega Panamá as just Omega Panamá, in and of itself, is without the relationship, without real value. Is that, I mean, that's correct, isn't it?

THE WITNESS: I wouldn't say "without real value." I would say that there is a value of the boots-on-the-ground organization and the setup, but it's now going to be the full $\$ 40$ million. It's going to be--I don't know. Certainly, it would not be the majority of the value. I would agree with that.

PRESIDENT SHORE: Okay. Sorry. You're right. There is some value, but not significant value in the way that there would be significant value if you're buying the entire relationship; right?

THE WITNESS: Well, it would not be the same as valuing the entire relationship. I don't know
if--how significant or how to define "significant." It would not be $\$ 1$. That's--so, it would not be-PRESIDENT SHORE: It might not be \$1. I agree with that.

THE WITNESS: It would not be 30 million, either, so I know that we haven't done the analysis. We can do it, but $I$ think that the analogy, if $I$ may-PRESIDENT SHORE: Yes.

THE WITNESS: --that you are doing is--okay. I have a group of companies; okay?--so, you come and you take out a piece of that group of companies and always invested in Panamá; okay?--or invested in the target market where you're analyzing it.

So, what is the damage or the harm that $I$ suffer? Well, I look at the value that $I$ can derive from the full group of companies, and then I calculate what is my residual value. Okay. I now have two segments of the distribution. What is that was taken away? The delta between the two set of assets that I'm left off. So, in that example, I will look at it--that's the economic damage. Now, you can tell me that's not how you would look at it from a legal
standpoint or whatever.
PRESIDENT SHORE: Right. Right.
THE WITNESS: But, from an economic
standpoint, if I look at the damage and the harm that I suffered, well, that's the way of looking at it, because before the situation I have the three companies. After the situation I only have two. So, if there are some synergies that are lost, they are part of the damages.

PRESIDENT SHORE: Right. And I think you're right. That might be a legal issue, because it might go to what the investment is. Because when you said earlier, I think, in response to one of Mr. Ryan's questions that you are considering the totality of assets invested in Panamá, which can constitute Omega Panamá as an operating entity, you are assuming that the investment is also Omega U.S., because that's the totality of the assets that are being invested in Panamá.

THE WITNESS: I would caution, because it's not the totality of Omega U.S., because we are not looking at the potential of the Omega U.S. assets
outside Panamá.
PRESIDENT SHORE: Yeah, let's say they are in Panamá.

THE WITNESS: Okay. If there is nothing, yet--that $I$ would generally agree with you.

PRESIDENT SHORE: Okay. As promised, let's go first to Ms. Gorsline. I think if you have questions arising from the Tribunal's questions, Ms. Gorsline.

MS. GORSLINE: Mr. President, we have no questions arising from the Tribunal's questions.

PRESIDENT SHORE: Okay.
Mr. Ryan.
MR. RYAN: Yes, sir, I have small number of questions.

PRESIDENT SHORE: Arising from the Tribunal's questions?

MR. RYAN: Yes. Yes.
PRESIDENT SHORE: Only from that. MR. RYAN: Yes.

PRESIDENT SHORE: Okay.
FURTHER CROSS-EXAMINATION

BY MR. RYAN:
Q. Mr. Zadicoff, you answered at length to the questions of--actually, each of the Tribunal Members about the prospects that the continued support would go on beyond the hypothetical transaction that we were using as the basis for a valuation, and that it would be reasonable, in this instance, given that there is a subsidiary relationship, to expect this would continue; correct?
A. Yes.
Q. Okay. Are you aware that Omega Panamá is not a subsidiary of Omega U.S.?
A. Is not a direct subsidiary. They are owned by Mr. Rivera, but it is not a subsidiary in the strict form of the corporate relationship link, let's say.

MR. RYAN: Thank you.
PRESIDENT SHORE: Thank you very much. Mr. Lopez Zadicoff, thank you very much for your testimony and appearance today. The Tribunal appreciates it. And your testimony is concluded, and you are hereby dismissed from that table that you're
sitting at. And I understand that you'll continue in the room, so it will be good to see you in the room.

THE WITNESS: Okay. Thank you for everybody, for your patience.
(Witness steps down.)
PRESIDENT SHORE: Thank you. So, I have the wrong time. So, we're at 11:43. May I suggest this: That we put Dr. Flores on for his presentation and then we take a lunch break after Dr. Flores's presentation. Is that acceptable?

MR. RYAN: Yes, Mr. President.
MS. GORSLINE: Yes, sir.
PRESIDENT SHORE: Ms. Gorsline.
Dr. Flores.
(Pause.)
DANIEL FLORES and RYAN McCANN,
RESPONDENT'S WITNESSES, CALLED
PRESIDENT SHORE: Good morning, Dr. Flores. Mr. McCann, good morning.

I understand that since you're both there, that you'll both potentially be speaking. Is that correct?

THE WITNESS: (Dr. Flores) Yes. Good
morning. My understanding is that, although we will be splitting the Presentation duties, Claimants' counsel will only be asking questions to me.

PRESIDENT SHORE: Is that your understanding, Ms. Gorsline?

MS. GORSLINE: Yes, sir. Respondent's counsel had requested that Mr . McCann be allowed to participate in the Direct Presentation, and we have agreed to that, on the understanding that only Dr. Flores will be cross-examined, and that Dr. Flores will be capable of answering all questions with respect to the direct Presentation, even if it was a portion delivered by Mr. McCann.

PRESIDENT SHORE: Okay. Thank you all very much for that.

But, in light of that, let's first have Dr. Flores, if you would read out loud the Expert Declaration in front of you, and then Mr. McCann.

THE WITNESS: (Dr. Flores) Yes. My name is Daniel Flores.

And I solemnly declare, upon my honor and
conscience, that my statement will be in accordance with my sincere belief.

THE WITNESS: (Mr. McCann) My name is Ryan McCann.

I solemnly declare, upon my honor and conscience, that my statement will be in accordance with my sincere belief.

PRESIDENT SHORE: Thank you both. Over to you, Dr. Flores.

I assume there is no questions before that from you, Mr. Ryan?

MR. RYAN: Correct. This is in substitute of a Direct by us.

PRESIDENT SHORE: Thank you very much. Dr. Flores.

## DIRECT PRESENTATION

THE WITNESS: (Dr. Flores) Thank you. In the next 30 minutes we will present a summary of the work that we have done in this arbitration. You have the slides on the screen and in front of you. The Presentation has three parts: I will be in charge of Parts 1 and 3, and Ryan will be doing Part 2.

So, if we go to Part 2, the Potential New Contracts Claim, we start at Slide 4, and you can see here is--so, this Presentation was prepared on the basis of what I had seen, or what we had seen in the Compass Lexecon Reports. It was clear to us that what Compass Lexecon was doing, at least, or what it has done in its Report is to value that--the Claimants' interests in Omega Panamá.

And the theory being that certain Measures allegedly taken by Panamá destroyed the value of Omega Panamá. It impeded Omega Panamá from continuing as a going concern. That's what Compass Lexecon wrote, reducing its value to zero. So, that's been the basis on which--upon which this Presentation has been prepared, the value of Omega Panamá itself as a going concern in Panamá.

We do agree with Compass Lexecon that the proper way to value a company is a Fair Market Value standard. You have a definition here in the middle of Slide 4, and it's a--the well-known standard of what a Willing Buyer and a Willing Seller with reasonable knowledge of all the relevant facts would agree to
transact a property.
So, then the relevant question that we have sought to answer in this arbitration is: What is a Fair Market Value of Omega Panamá, as of the 23 December of 2014, but for the Measures?

So, before we go into that, let's take a look at what Omega Panamá was. And in Slide 5, we have two observations that we take from the last set of annual financial statements of Omega Panamá. On the left side you see that Omega Panamá had salaries, of about--salary expenses of about $\square$. And I heard testimony earlier this week that it had a handful of workers, so we are not talking about minimum-wage workers. We're talking about people being paid this $\square$.

On the right-hand side, what we see is the physical equipment, the physical plant of Omega Panamá. And what we can see is that it had some vehicles, some computers, and some office equipment. This is as of the end of 2013, but we know--is that most of this equipment was bought in 2012, because, as of year-end 2011, it had much less than that.

It had about
 in computers, maybe is the reality of what Omega Panamá was.

So, in Slide 6, we show a little bit more detail. As you know, Omega Panamá was incorporated in October 2009, and five years later, as of December 2014, what we know is that it had won just nine Contracts. There was one Contract that it bid for. It had won, but it was canceled, so there was never any work performed.

And it had--those nine Contracts that it won had always been done when bidding in a Consortium with other companies, all the times with Omega U.S. and also sometimes third Parties. So, some of the bids, I think five of the winning bids were because there were three companies: Omega Panamá, Omega U.S., and a third Party that contributed some technical knowledge or some other thing.

These third-party companies, I understand they are not part of what today Compass Lexecon was referring to as the "Omega Consortium." So, the
reality is that when a bid is submitted, if the bid in the requirements has seven specifications about what is required, then you can go out and you can borrow the expertise of someone else on a one-time basis.

For example, in the Tocumen Airport Bidding Documents, if you look at them you will see there were three companies, and one of them, which was not--neither of the Omega companies, had prior experience developing an airport or doing some construction work at an airport in Las Vegas and another one in Houston.

So, because the parameters of the Tocumen Airport said you need to provide certain experience having worked on airports, they went and they did a consortium, a one-time consortium with a company that did have that experience. So, here we're not always talking about just Omega Panamá and Omega U.S. And that's typical in the construction industry.

When you need a specific knowledge that you, yourself, or your parent company doesn't have, you do a temporal union of companies for the purposes of only that contract.

Now, we know that as of the Valuation Date, Omega Panamá had only completed one contract, this one, the Tocumen Airport. And for the other eight ongoing contracts, the progress completion was just about 40 percent, and this is from data provided from Mr. McKinnon in his Report. So, it's very hard, as we will see, if we are talking about doing reliable estimates for the future, what do you do when you haven't even completed more than one contract. How do you know what your profit margins are going to be? Because, remember, in these contracts, the deal is that you bid and you win an amount. That's your revenue. That's your top line. And then it is up to you to build a project and to build it under budget.

If you go a lot under budget, you're going to have a huge profit margin. If you stay at budget, you make zero dollars in profit. If you go over budget because your work is suddenly--they want to renegotiate their Contract and they want higher salaries, or you realize that the ground is more difficult to treat and you need to spend more money doing the work, you may end up with a negative profit
margin. How do we know what Omega Panamá would have done going forward if all we have is one completed project? That's an important point to take into account for valuation purposes.

In Slide 7, we show a sample of other companies that also were participating in the public-sector construction, the public construction sector in Panamá competing with Omega Panamá, and what we show is that these are companies that have many years of experience, presence in many countries, and they are many times larger than Omega Panamá.

With that brings us to the next point, which is in Slide 8, which is--this is very important for the exercise of valuation. There is no exclusive right to public works contracts in Panamá. That is very determinative. What I do mean by this? If you have a concession to provide mobile telephone services in a country--by the way, my colleague and I were in this same building just a few weeks ago talking about that same issue--a mobile telephone deal in one country. It was a deal for 25 years. That gives inherent value to the company because you are the only
one that is going to be able to provide mobile telephone services for the remainder of the 25-year term. So, no one else can provide it.

But that's not the case with public works. The only thing you had need to provide public works bids in Panamá is to register at the site that is called PanamaCompra. It's an online website that's publicly available. Of course, you need to be current in your taxes. You don't need to be delinquent with taxes, but most companies--we will assume they pay their taxes on time, and you need to have certain requirements specific to each bid.

But there is nothing that says Panamá is going to choose 10 companies, and these 10 companies are the only ones that can bid for public projects for the next 10 years. And one of them was Omega Panamá. That would make Omega Panamá valuable, of course, if you were only one out of 10 that was eligible. But this is not the case. Any of the companies in the prior slide could and did bid for projects whenever they felt they were up their alley, and they wanted to bid.

So, that's the thing. So, having prior experience, having bid on nine projects, having won nine projects in the past three years is not a guarantee of anything because at the next bid that you provide, the authority that's going to be awarded in that contract will be who is the best out of the three that have applied for this Contract or out of the seven who have applied for this Contract.

So, there is not an acquired history that the fact that $I$ won three contracts with some Ministries or some municipalities in Panamá over the last three years guarantees a stream of income for the future. There is no guarantee whatsoever. So, every new project is like a new enterprise. It's a new project. You're going to be bidding with the best people in the world to get that contract.

So, based on this, and based on the limited experience of Omega Panamá, our point of view is that no Willing Buyer looking to start an operation in the public works sector in Panamá would have found any compelling reason to pay anything to acquire Omega Panamá. Why would I pay to buy Omega Panamá for

Mr. Rivera if I can do the same and just registering in the PanamaCompra website and start submitting my own bids? What's the advantage of submitting through Omega Panamá? So, that's why our conclusion is Omega Panamá--

ARBITRATOR DOUGLAS: Sorry, just to
interrupt.
THE WITNESS: (Dr. Flores) Yes.
ARBITRATOR DOUGLAS: Surely, a track record counts for something?

THE WITNESS: (Dr. Flores) I'm sorry?
ARBITRATOR DOUGLAS: Surely, the track record counts for something in a bid if you've successfully completed contracts or bid for contracts in the past, surely that has a value going forward.

THE WITNESS: (Dr. Flores) If you look--and we have in the record, I think it is Exhibit QE-113--we have the bidding parameters for some of these contracts, and most of them that I recollect--I don't recollect any of them that says shows me evidence that you have submitted prior contracts in Panamá. What I was talking, the one for
the airport in Tocumen is that show me evidence that you have completed a project in the airport arena anywhere in the world. But not necessarily in Panamá. No other contracts require prior experience having done a hospital in Panamá. If you did a hospital in Miami, okay, that may check the requirements.

So, that's our point. The Fair Market Value of Omega Panamá is zero because Omega Panamá, what it had to offer, what it would be selling, what is it? It's just the right to bid. Well, anyone has the right to bid for Omega Panamá.

So, then this is not part of the slides because I wasn't expecting Compass Lexecon to be talking about valuation or something different, but I'll just share a reflection that I had while I was listening to the prior examination, which is this: He says, well, there's an additional value brought by Omega U.S.--right?--the bonding capacity and the fact that Omega U.S. had a series of financial statements that could be provided as support.

I'll just make a quick reflection. If it is true that Omega Panamá was worth $\$ 40$ million or
whatever amount they are saying today, any Willing Buyer of Omega Panamá would be anyone willing and able to dispose $\$ 40$ million. Are they really telling us that someone willing to pay $\$ 40$ million doesn't have balance sheets and doesn't have bonding capacity? I mean, I cannot conceive of any company in the world that would be willing to pay $\$ 40$ million, and we don't have the bonding capacity for a $\$ 2$ million contract.

PRESIDENT SHORE: What about, Dr. Flores, I'm sure we'll come to this later, but, of course, you know the Compass Lexecon point is--one of their points is that they--that you know they haven't just separated out Omega Panamá, that you know they are talking about the Consortium when they say "Omega Panamá," and so the Willing Buyer/Willing Seller context is the Consortium, not the Company that's incorporated or registered in Panamá?

THE WITNESS: (Dr. Flores) But my point is the Willing Buyer would say "I don't need this other company in Puerto Rico. Why would I need a company in Puerto Rico? I can provide a bonding capacity myself." To the extent--we will go to that in the
next slide.
PRESIDENT SHORE: Sorry.
THE WITNESS: (Dr. Flores) Let me go there to answer your question. Because our point is--well, let's imagine what the Willing Buyer would do; right? Say a Willing Buyer says, well let's acknowledge that Omega Panamá has been in business for three, four, five years, submitting bids in Panamá. Maybe it has acquired some knowledge--right?--I don't know, maybe some know-how or what. I don't know what time--what's the best time of day to submit the bid so there's less traffic on the website? I don't know. It's hard to evaluate, maybe, what is the fastest Notary Public in Panama City that can get you the papers done at 7:00 p.m. on a Friday? Could that have some value? Well, yes, hypothetically, yes.

And that's what we show in this slide, Number 9. In the top graph, we say if you are a new entrant, you know that you have the right to bid for new contracts in Panamá. You can do it on your own. You don't need the help of Omega Panamá.

PRESIDENT SHORE: What about the help of the

Consortium?
THE WITNESS: (Dr. Flores) But what help does the Consortium provide? What does the Consortium provide? Because, remember, Omega Panamá itself didn't do much; right? When it got the Contract, it would merely find subcontractors.

So, one thing you could say is that, well, I'm going to need like 5,000 kilograms of cement; right? Where is the best cement supplier in Panamá? That may be some knowledge that may be worth paying someone to pay for that. You wouldn't pay $\$ 40$ million for someone to tell you that; right? That's my point.

All the value we're talking about, it is miniscule. It is very small because, I mean, if I were--honestly, if $I$ wanted to get into the sector, I wouldn't buy Omega Panamá. I would just make a job offer to Mr. López and say: "Hey, Mr. López, come work with me. I'll pay you $\$ 200,000$ a year, and you tell me where the cement provider is and where the best crane operators are and who rents the cheapest and most reliable trucks." Because that's what Omega Panamá was doing. It was just putting together
things, and that's why it did have some limited success, but that success--my point is it could be replicated by someone.

Remember, Omega Panamá had done nothing in Panamá until 2011; right? And--but whatever success it had by 2014, that's based on three years of experience. So, wouldn't a hypothetical buyer say, well, at most, in three years, I can do the same thing that Omega Panamá has done because that's what you need, the thing that comes from outside Panamá. So, what you need in Panamá is this: The knowledge what is the best cement provider, the cranes, the trucks, and the best workers that you can hire by the day. That's the knowledge that you need to do these projects well in Panamá.

What comes from outside is someone with bonding capacity and someone with a balance sheet of three or four years because you don't want to be a new entrant. But my point is, well, I don't need the company in Puerto Rico to provide those two assets. What I need is any company that can provide a balance sheet that is not in default for, like, two or
three years, whatever the bidding parameters require, plus then you need the bonding capacity, which my point is any Willing Buyer would have bonding capacity or would be able to acquire bonding capacity without having to go and rely on Mr. Rivera's bonding capacity in Puerto Rico, whatever that may have been. So, that's our point.

And that's why we say, at most, you would pay for whatever differential in revenue you could obtain by leaping ahead instead of having to go through the growing pains of establishing a brand-new company in Panamá on your own. You buy Omega Panamá and, hopefully, if all the workers stay--you would buy Omega Panamá, and Mr. López would stay with Omega Panamá because he's the one that has the local knowledge acquired over the last three years. If you're able to do that, then it may be worth paying a little bit for the Company, and that's why we put this differential in the top graph, the shaded area in the top graph, at the right of Slide 9. That's what we think is the most someone would be willing pay. Compass Lexecon says, no, a Willing Buyer
would be willing to pay for cash flows in perpetuity. The graph ends in 2030, but, in fact, the model shows that they assume that the Willing Buyer will say Omega Panamá has something so valuable. With or without the Consortium, I don't get, but they say that is so valuable that no one would be able to replicate it, not in three years, not in five years, not in 10 years, not in 1,000 years. So, they say that Omega Panamá would be valuable ad infinitum. That's, to us, not reasonable.

Now, if you go a little bit into more detail about how Compass Lexecon has valued Omega Panamá, we think that that is not a reliable position at all.

Now, we are in Slide 11, and what we can see here is that to establish the pie of revenue for which Omega Panamá could bid, they look at the public spending on capital projects by the Government of Panamá--right?--and what you see, what they assume is that, going forward, starting in 2015 and forever more, that would be 8.5 percent of GDP. And they say that's the average of the last four years--sorry, last five years prior to the valuation date.

The first thing a hypothetical buyer would do is look at the history, and then you realize that that's much higher than historically. You see historically it had been under 5 percent. It is true, the last five years were over 8.5 percent, but would that be sustainable? And I'm sure we all have heard the word "boom" several times this week, and this is the boom that you see. That's what the boom looks like.

And if you separate that by different Administrations, you hear in the Martinelli Administration spending went through the roof, much higher than the prior four administrations. What Compass Lexecon says is that this high level of the Martinelli Administration, the 8.5 percent, would continue for infinity, forever and ever more. We say, is that reasonable?

So, what we do is we look at the contemporaneous expectations as of 2014. Mr. Varela, when he was the presidential candidate--and you can see the date small here in Slide 13--he said that, as that's January 2014, he said the new Government will
be obligated to have fiscal discipline. We need to prioritize responsible social spending. So, what he's announcing is, is going to have to come down, and this is in the context that public--that sector had increased by 66 percent during the Martinelli Administration. That's something a hypothetical buyer would look.

And that is not only a presidential candidate saying that. In Slide 13, we show that Mr. Moreira, who was the President of the National Association of Economists of Panamá, a little bit later in April 2014, says the same thing, said the new Government, whoever it will be, will be obligated to fiscal discipline. And he says that you will need to have the revenues in line with the debt, with the expenses. You cannot spend more than what you are receiving in revenues.

And, in fact, then there is the election, and then the Government is to issue, by law, a new strategic plan for the whole administration, meaning for five years. You can see here in the center, that is in December 2014, the new strategic plan is
announced. And in fact, now President Varela delivers on what Candidate Varela had said. And if you look in this document, a hypothetical buyer would have projected public spending by the public sector in line with the blue line, that's what we assume for this year were to be done.

Compass Lexecon continues assuming a growth according to its red lines, and that's until forever. So, we think it's a major flaw. They are making a pie that is too big. The pie would not be that big, and anyone trying to consider buying Omega Panamá in 2014 would know that that pie will not be that big.

Now, the next step is a slice of the pie. Once you set the pie, you need to know what the slice of the pie that Omega Panamá may have been able to win. And you know the definition of the World Bank Guidelines. The whole point is about you need a track record that is sufficient to be able to forecast the future, and now it's important point--with reasonable certainty. DCF is very easy to do. Just put numbers on Excel spreadsheet, and it will spit out a result. Anyone can do DCF. But is it reasonably certain?

That's the key point.
And our conclusion is no. You cannot do a reasonable certainty conclusion about the success of Omega Panamá. Why? Because you can't have here the results, and $I$ don't think anything of this is in dispute.

In 2010, they bid for 14 contracts. They won none. In 2011, then they go out--they bid for much more, and they win 15 percent in dollar terms. Then the next year, if you look at the graph, yeah, 100 percent success but that's only on three contracts. And the next year they fall again and they only win 3 percent of what they had bid on. That's . That's one of the municipal markets.

And in 2014, they win nothing. And today Mr. Lopez Zadicoff was saying, well, 2014 was a transition and there was maybe less spending. Maybe there was some less spending but the Country still needs to spend money. He doesn't provide any analysis that the spending in Panamá fell to zero. There continues to be spending because public works need to be done, need to be awarded, and the Country cannot
grind to a halt because there's an election.
But the fact is that if you give this slide to a hypothetical buyer, what will the hypothetical buyer say? Do you project 100 percent as in 2012 going forward or 0 percent? Or you say, look, I have no idea.

Compass Lexecon tells us that they are very confident that going forward the success rate will be 25 percent; of every $\$ 4$ bid, they would win $\$ 1$.

Our position is we have no confidence whatsoever that we can give to you without pure speculation about what the future would look like.

And these other things that we also disagree that have a smaller importance, just to mention--for example, the profit margin, I already referred to it in the presentation, that how can you estimate a profit margin if all you have done is to complete one project. That's not a sample. That is nothing you could do. And there is some other errors.

Now, we feel very strongly that this is not a case about Discount Rate. As you know, in many international arbitrations, there is big debates about
calculating in the second decimal of the Discount Rate because billions of dollars depend on that estimation of the second decimal. We think a hypothetical buyer would not even care whether the Discount Rate is 18 percent or 23 percent. We think that that is probably the appropriate range, but the hypothetical buyer would never get there. The hypothetical buyer would say "I cannot just apply any Discount Rate to a projection. That's purely speculation." How do you know? The share of the pie is overestimated. The slice of the pie does not have a track record to project, so we believe that the buyer would not even dare value this based on the DCF analysis.

In Slide 18, we just have the conclusion. If we have to do a minimal number of corrections to the Compass Lexecon valuation, you would get to something de minimis in the order of $\$ 1$ million, but the main point is we don't even think that the willing buyer would be willing to buy Omega Panamá with or without the Consortium because everything that Omega Panamá--you could do it yourself. That's the main point of our analysis of the future contracts.

THE WITNESS: (Mr. McCann) Good morning, Members of the Tribunal. The second part of our presentation will cover the major issues in relation to the existing contracts' claim.

As Dr. Flores mentioned a few moments ago, as of the valuation date, Omega Panamá had eight ongoing projects, which were, on average, less than half complete. The Claimants are requesting damages in relation to the existing contracts, and the calculation of those damages are based on three main components.

The first component are the unpaid invoices. These relate to invoices for work, which Omega Panamá alleges that it completed prior to the Valuation Date, for which it invoiced the Contracting Parties, but for which it had not yet received payment. Compass Lexecon values these invoices at roughly and it updates that value by carrying that value to the Valuation Date using an interest rate that it deems as applicable.

The second component are the expected future profits on work not yet completed. So, for those
projects that were ongoing, Omega Panamá expects that they were going to complete the work for those projects and that they would have generated certain profits. Compass Lexecon values those profits at a little over , and it discounts that amount from the future back-to-the-valuation date using the Cost of Equity that it deems is appropriate.

The final amount actually offsets the first two amounts. The advance payments relate to amounts received by Omega Panamá prior to the Valuation Date. Compass Lexecon thinks that it is applicable to discount those amounts as though they were going to be received in the future back to the Valuation Date, even though they had actually been received prior to the Valuation Date.

The total requested by Claimants before applying any interest on past amounts or discounting future amounts is around $\square$. And after applying discounting and interest, Compass Lexecon values the existing contracts' claim at around

| closer to I\&R assessment, that number should be |
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There are three main reasons for the difference in our assessment and Compass Lexecon's assessment. The first deals with interest rate, which Dr. Flores is going to take up in Section 3 of our presentation. And I'll be addressing the following two in the slides--in the following slides.

As I was explaining, the advance payments are amounts received by Omega Panamá from the Contracting Parties prior to the Valuation Date. Compass Lexecon argues that because these amounts relate to work that was to be done in the future, they should be discounted as though they were going to be received in the future. However, in our analysis, we acknowledge that those amounts had actually been received as of the Valuation Date.

Using the value of the advance payments as of the Valuation Date reduces the amount requested by Claimants by . A reasonable way of making sense of the existing contracts claim is to recognize that the Claimant is stating that it has not yet received amounts of for work that it had completed, but that it has received nearly
for work that it hasn't yet done. So, a reasonable first step in understanding the existing contracts claim would be to look at the net between the , at which point can you look at the expected future profits, and then that result is not complete without taking into consideration certain amounts that are in question that we present in the next slide.

As we noted in our Second Report, Compass Lexecon's calculation assumes that Omega Panamá would perform work relating to a power line that was part of the Kuna Yala Project. However, we've seen evidence, contemporaneous evidence as of the Valuation Date, that, in fact, that work had not been awarded to Omega Panamá. So, it does not make sense to include that work in the claim for the existing contracts. If you remove that work, that reduces the amount claimed by the Claimants by about

We also recognize that there were four addenda for work which did not have the endorsement of the Panamanian comptroller, and we've been instructed to assume that, without the endorsement of the

Panamanian comptroller, that work should not be considered as part of the damages calculation. Removing the amounts in relation to the work for those unendorsed addenda, taking into consideration offsetting costs would reduce the amount claimed by the Claimants by $\square$, all else equal.
Finally, on the next slide, we summarize our results as they are presented in our Second Report, and we note that the amounts in this table may differ slightly from the numbers presented in the last few slides because these amounts take into account interaction affects.

THE WITNESS: (Dr. Flores) Okay. And now in the final minute of the presentation, I will deal with the topic of interest. I feel bad that we are only spending one minute on this because if you noticed this morning, the interest portion of the current claim of Claimants accounts for more than 50 percent of what they are asking. They are asking for
, and interest alone is in excess of
. So, half of what they are asking is not
existing claims, the $\quad$, as of the Valuation

Date.
It is not the future work, which they value about 40-something million as of the Valuation Date. The largest part, the lion's share of this is interest. How do they get to an interest claim that is more than half of the total claim apart from moral damages that neither Compass nor us has been asked to quantify?

They get that because they compound the valuation. So, they do it as of February--sorry, as of December 2014, using the Cost of Equity of a Panamanian company in the construction sector. We do not agree that that is appropriate. From an economic perspective, what you should use is something that compensates the Claimants for the passing of time between the Valuation Date and the date on which payment is made. There's a famous paper by Fisher and Romaine that addresses with this issue, and it says you need to compensate for the fact that the process of justice takes time. We think that the commercially reasonable rate is the short-term U.S. Treasury Bill, which compensates for the time value of money.

The WACC is not an appropriate rate--or the WACC, meaning weighted average cost of capital. Why? Because that rate incorporates ex ante risks, risks that an investor will require when risking its money for a future venture that may go better or worse than expected.

For example, if you invest in the Panamanian construction sector, you may have cost overruns, or you may have the Government deciding that the boom times have ended, and you have to spend less; or that you may not be successful in your bids because there is a lot of competition from companies coming from other countries. There is any number of reasons that any projection that you make looking forward a priority may not fulfill. So, that's why you want remuneration for taking that risk. But if you were to decide that there is an amount payable to the Claimants, once you decide that that amount is X dollars, that X dollars is fixed. And it doesn't depend on how many competitors there are in Panamá. So, all business risk is eliminated once you set the amount of the Award at X dollars.

And that's why you cannot award damages, then, assuming the Cost of Capital that is enumerating four business risks. This has been widely discussed in the literature. You can have here Fisher and Romaine, Beharry, Kantor, Dolgoff. They make exactly the point that $I$ just addressed.

And then we finish here with two quotations, that two Tribunals that capture exactly this economic meaning; right. I like this wording that one Tribunal had that said: "One cannot know what the Claimant would have done had it been paid an amount of money as of the Valuation Date. It may have made a spectacularly good or disastrously bad decisions with the investment of such a sum."

And now, that's what you would do, and to that you would apply the Cost of Capital. But the fact is that you have to realize that there is no business risk in an award, as the Tribunal in the Burlington Case said.

So, with this, we conclude this presentation. Thanking you for your time.

PRESIDENT SHORE: Thank you, Dr. Flores,

Mr. McCann.
So, let's have an hour for lunch break, and then we will continue with cross-examination, Ms. Gorsline. Both of you know the drill: Don't speak to anyone about the case, and I would say don't speak to each other either.
(Whereupon, at 12:24 p.m., the Hearing was adjourned until 1:25 p.m., the same day.)

## AFTERNOON SESSION

PRESIDENT SHORE: Back on the record.
Ms. Gorsline?
MS. GORSLINE: Thank you, Mr. President.
Mr. Hines will be conducting the examination today.

PRESIDENT SHORE: Mr. Hines, good afternoon. MR. HINES: Good afternoon, Mr. President. Thank you, Members of the Tribunal.
CROSS-EXAMINATION

BY MR. HINES:
Q. Good afternoon, Dr. Flores.
A. Hello.
Q. As Ms. Gorsline said, my name is Paul Hines. I'm counsel for the Claimants.

And I see, if I'm not mistaken, you have your Reports there in front of you on the table?
A. Yes, I do.
Q. Okay. Great. I'm going to be primarily referencing those, but from time to time I'll show you other documents, and my colleague Ms. Gharibian is behind you. She will help guide you to those.

So, you've already confirmed that you submitted two Reports in this Arbitration; correct?
A. Yes.
Q. The First was dated the 7th of January 2019?
A. Yes.
Q. And the Second was dated the 15 th of

November 2019?
A. Correct.
Q. And I note from those Reports--I understand that you were assisted in the preparation of them by Quadrant Economics staff, including, presumably, Mr. McCann, from whom we just heard?
A. Yes.
Q. But they were acting under your supervision; correct?
A. In the First Report, yes. In the Second Report, Mr. McCann was not under my supervision. We were just equals.
Q. Okay. But as to both Reports, you ensured that everything in them accurately reflected your personal opinions; correct?
A. Yes.
Q. So, you are prepared and can testify to all aspects of both Reports?
A. To the best of my knowledge and recollection, yes.
Q. Certainly. Thank you.

I'd like to start by going over your curriculum vitae a bit, and that's an exhibit you submitted designated QE-0121.

Okay. Do you have that there?
A. Yes.
Q. Okay. Great. I see this is dated November 2019; correct?
A. Yes, in the bottom left corner.
Q. Does this still, however, accurately reflect your education, experience, and expertise?
A. Yes. There may be a few additional testifying experiences between November of 2019 and today that are not included here, but that would be the only change.
Q. Okay. So, looking at your education on Page 2, I note that you got a B.A. in economics from the University of Barcelona?
A. Correct.
Q. And you got an M.A. in political economy from Boston University?
A. Yes.
Q. Followed by a Ph.D. in economics from Boston University?
A. Yes.
Q. So, it would be fair to say, then, that your educational background is in economics?
A. Yes.
Q. Okay. And professionally, it looks like you started out--some of this was likely during, maybe, your master's or doctoral program, but you started out teaching in the academic system, first at the University of Barcelona?
A. Yes.
Q. And then at Boston University?
A. Correct.
Q. And then at Skidmore?
A. Correct.
Q. And you were teaching economics at those universities?
A. Economics. I also did some management classes, and I did some accounting classes also.
Q. Okay. And then after that, you went to Econ One Research where you held several positions until, I understand, you founded Quadrant Economics in 2018; correct?
A. Correct.
Q. And at Econ One and at Quadrant, your role has been that of a consulting economist?
A. I would say as an economist, yes.
Q. Yes. Okay.

So, then it seems fair to conclude, based on this, that you're not a lawyer?
A. Correct. I don't have a legal degree.
Q. Certainly you're not a Panamanian lawyer?
A. Correct.
Q. And you don't hold yourself out as being an expert in international law, do you?
A. Correct.
Q. You also don't hold yourself out as having any particular experience or expertise in Government procurement law or regulations, do you?
A. You mean formal training? No.
Q. Or experiential training?
A. Well, experience, yes, because a lot of my work involves bidding for contracts with States.
Q. So, that, then, would constitute you having expertise in Government procurement law and regulations?
A. Not law as in having studied the law, but I think you said something like experiential.
Q. Sure.
A. Yes. So, I have had the experience of having to participate in many public tenders.
Q. Fair enough. You've never worked as an accountant; correct?
A. Actually, no, that's not true. One of my various jobs was to be the accountant for a hotel in my hometown.
Q. Okay. I just note that didn't make it to your CV here. Okay.

So, you worked as an accountant for your hotel. Are you a CPA?
A. No, I'm not a CPA.
Q. Okay. And you did not list--you didn't represent here on your CV that you're an expert in accounting, did you?
A. No, but as I told you, I have taught classes in accounting. Part of my undergraduate degree in Spain was very heavy on accounting, so I do hold myself as having sufficient knowledge and expertise in accounting.
Q. Okay. But the only actual experience as an accountant you've had was in a hotel in Spain?
A. If you want actual full-time, yes. But, for example, now I'm very involved in the accounts of Quadrant Economics and, for example, right now you would think I'm going to relax this weekend and not have to think about anything; well, I have to deal with the closing of the 2019 annual accounts of Quadrant Economics.
Q. Sure. Understood. (Comments off microphone.)
Q. It would also be fair to say that you're not an engineer; right?
A. Correct, I am not.
Q. And you've never been employed by a construction company?
A. Correct.
Q. So, you've never, for example, prepared a bid for a construction contract?
A. Correct.
Q. And on the flip side, you've never, on behalf of the owner, evaluated bids to select the winning contractor?
A. As a full-time job, no, but I have evaluated bids submitted by contractors at that same hotel I was talking to you about.
Q. Oh, okay. At the hotel.

When did you work at the hotel?
A. That was during my years of undergraduate, so that was between 1990 and 1994.
Q. Okay. So, I note that, in reviewing this CV, you don't actually claim to have any substantial experience working on construction matters or in the construction sector in your role as a consulting Expert, either?
A. I mean, I'm primarily an economist who does
valuations, and if--so, there's a specialty within consulting which is construction delays and construction overrides, and so that is not a specialty that I have pursued, but I do have--I have had some cases that involve construction issues.
Q. Okay. So, let's first take a look at the second paragraph on Page 1 of your CV, if we could.
A. Yes.
Q. And if we look at the third sentence, it begins: "His research and consulting activities." It goes on and it describes a variety of industries, and it notes agriculture, chemicals; it notes construction materials, which I'll return to in a minute; electricity generation and distribution, finance, banking, minerals and mining, oil and gas, pharmaceuticals, real estate, semiconductors, telecommunications, and transportation.

I note that not included there is construction.
A. Well, because I would put construction at a different level, because this was talking mostly about industries. For example, some of the cases I have
participated in in the oil and gas industry involved construction disputes. So--I don't know if I'm making sense.
Q. No, no. What you say makes sense, but--so, let's take a look at how you describe your testimonial experience. You've listed your testimonial experience here as well as your consulting experience, Pages 3 through Page 11, and I note that for each of those you have a line at the bottom that describes the basic nature, industry, topic of that consulting or testimonial experience; correct?
A. Yes.
Q. And if we look at that--so, on Page 9, there is a reference up at the top to this case, Grupo Cementos de Chihuahua, and in the description you say "construction materials, cement."

I'm guessing that is, presumably, what was referenced in your paragraph that we just looked at when it referenced construction materials?
A. That's one of them. I think I recall there's another one having to do with construction materials.
Q. Okay. Well, I would note that I--perhaps I
missed it. I didn't see it here, because when $I$ went through and looked at this, apart from the Omega Case, which is here, the only other time that I see construction mentioned is in regards to the ATCO Pipelines Case on Page 3.

And if we look there, it describes the subject matter as construction pipelines, gas, and electricity; right?
A. Yes. The ATCO Case, that says "construction pipelines, gas, and electricity."
Q. Okay. But is your representation here that there are other engagements that you've had that have involved construction that either are not listed here or are not described here as involving the construction industry or construction?
A. Yes. I would say construction issues.
Q. Construction issues?
A. Yes.
Q. And can you elaborate? What do you mean by that?
A. For example, to give you an example--there's a case here, for example, the Koch--on Page 8, third
from the bottom.
Q. Okay.
A. There's a case that says "Koch Minerals, et al., against Venezuela." That's a case that involved a fertilizer plant in Venezuela, and a big issue in that case was why had that plant cost so much and why it hadn't been built on time. So, part of the analysis there involved analyzing construction issues.
Q. Okay.
A. So, it was not about the construction materials, like the other case we were talking about, but this was a case in which I had to study issues relating to construction. And there are other cases like that. If you want, I can go through each one of them.
Q. But to be clear, in that case, were you yourself opining on, for example, why it took so long for the project to be built or why it was over budget?
A. Yes. Umm-hmm.
Q. As an economist?
A. Yes. Umm-hmm.
Q. Okay. Fair enough.

So, we're going to discuss some aspects of your First Report in a moment, but I'd like to just start by discussing the preparation of it, so if you'd turn to your First Report on Page 7 .

So, I note there in Paragraph 4 you list several instructions you were given by counsel for Respondent?
A. Yes.
Q. And the first was to analyze and comment on the economic rationale and the methodology employed by Compass Lexecon to value Claimants' interest in Omega Panamá in relation to potential new contracts, including the specific assumptions Compass Lexecon makes regarding the DCF analysis it uses to arrive at such value?
A. Yes.
Q. And the next one was to analyze and comment on the methodology employed by Compass Lexecon with respect to the existing contracts; correct?
A. You skipped a few words, but yes.
Q. I'm just summarizing in the interest of time. A. Yes.
Q. And then the third--again, just to summarize--is to comment on the appropriate rate of interest if any damages were awarded?
A. Correct.
Q. Correct. Okay.

So, obviously, then, to prepare your Report, you had to analyze the Compass Lexecon Report and supporting documentation; correct?
A. Yes.
Q. Okay. And with respect specifically to--
A. Among other things.
Q. Yes. Of course. Among other things. But, at the very least, that.

So, with respect to the second instruction, you set forth your analysis of the methodology employed by Compass Lexecon as to the existing contracts' damages, beginning on Page 50 with Paragraph 97 in your Report?
A. Yes.
Q. I note there, in that paragraph towards the bottom of the page, you say that Compass Lexecon was instructed by counsel for Claimants to rely on the

McKinnon Report to compute damages relating to the existing contracts claim; correct?
A. Yes.
Q. And now, that refers to the First Expert Report of Greg McKinnon; correct?
A. Yes.
Q. Okay. And if you look down, there's a footnote there, 170, and in that you refer us to Annex B below for comments relating to McKinnon's analysis and the documents supporting it?
A. Yes.
Q. We don't have to turn there, but Annex B does provide comments and observations on the documents that Mr. McKinnon relies on?
A. Yes.
Q. So, in addition to reviewing Compass Lexecon and the documents they relied on, you necessarily also analyzed Mr. McKinnon's Report and the supporting documentation?
A. Yes.
Q. Okay. And I note that both Mr. McKinnon's First Report and the First Compass Lexecon Report are
dated 25 June 2018; is that correct?
A. I don't recall, but--
Q. They are in your binder. We can take a look at them, if you want.
A. No, I think it sounds about right. I don't recall the day of the month.
Q. Sure. And do you recall--just roughly, approximately--when you first received those Reports? Would it have been around the same time, late June or early July?
A. Around that time, yes.
Q. Okay. And you reviewed them to prepare your First Report, which was then submitted on the 7th of January 2019?
A. Yeah. Now that you say--yeah. I will need to rephrase, because I do not remember having spent, like, six months reviewing all of these. So, I'm not sure if $I$ got everything on that same date or if it was at a later date.
Q. Okay.
A. Because my recollection is I did not spend, like, almost seven months straight working on this.
Q. Okay. Do you have any idea how long you did spend?
A. I mean, it was several months, but--so, again, $I$ don't--before, $I$ was very quick to tell you I received it a few days after it was submitted.
Q. Sure.
A. Now, I don't recall. My recollection is that we did not spend that much time, like half a year, working on our First Report.
Q. Understood. Okay. Well, let's--I want to look now at the Opinions with respect to the existing Contracts that you formed during that time and recorded in your First Report.

So, let's go to your First Report and to Paragraph 97 again. You may still be there.
A. Yes.
Q. Okay. So, this is where you begin addressing the existing contracts claim. And, as we just discussed, in valuing Claimants' damages from the existing contracts claim, Compass Lexecon relies, effectively as the inputs for their analysis, on the conclusions from Mr. McKinnon's First Expert Report;
correct?
A. In part. They also add their own economic expertise to then arrive at a quantification of the damage.
Q. Sure. Certainly. So, they add their own economic analysis on top of it, but the primary source of the inputs, the data, the factual background that they rely on, are the conclusions that Mr. McKinnon reaches in his First Report?
A. I do not recall exactly, because--so, there were documents in the record. I don't remember the extent to which Compass Lexecon looked at the documents in the record or only took what Mr. McKinnon said.
Q. Okay. But you do agree that they do rely on Mr. McKinnon's Report, and they base computations of damages on his conclusions, along with their economic analysis?
A. Yes. They do that.
Q. Okay. And Mr. McKinnon--just by way of background, you would have seen from his Report that he's an accountant; correct?
A. Yes.
Q. And that he holds himself out as having substantial experience specifically with accounting as to construction projects; correct?
A. I don't recall the exact words that he uses to describe himself, but it rings familiar.
Q. Okay. Fair enough.

So, Mr. McKinnon in his Report, he analyzes the existing contracts and, you know, the documents pertaining to them--pay requests, change orders, et cetera--and he reaches a number of conclusions, for example, regarding unpaid balances and expected earnings; correct?
A. He does have those opinions, yes.
Q. And those opinions regarding, for example, unpaid balances and expected earnings, those are specifically part of the inputs that Compass Lexecon relies upon in ultimately computing their view of the damages flowing from the existing Contracts?
A. I think that's a fair characterization.
Q. Okay. Now, if we look at this Section 4 of your Report--it runs on for a few pages here--I note
that you don't actually challenge any of Mr. McKinnon's conclusions in this First Report section here, do you?
A. Well, first, you said it goes for a few pages. It is actually a brief section. You see it goes Pages 50, 51, and 52.
Q. Right. So, about 2.5 pages?
A. Yes.
Q. Right.
A. I mean, the main thrust of here, I would summarize it in Paragraph 97. It follows into Page 51, and my main point is not that I challenge his calculations, Mr. McKinnon's calculations, but my observation was that he uses, or he used in his First Report, incomplete information on Omega Panamá's operation, and then that he supplemented that with certain assumptions.

I'm reading. You see after where it says--
Q. Yes. No problem.
A. And then I say: "I may update my assessment of the existing contracts claim as more information regarding Omega Panamá's operations becomes
available."
Q. Right.
A. So, I did not so much challenge his calculations as observe that the calculations were based not so much on hard data, but on assumptions.
Q. Okay. Fair enough. But let's look at what you do do in these 2.5 pages.

You--what you do there is you offer some criticisms of the methodology Compass Lexecon applied to Mr. McKinnon's figures, his conclusions, to compute the damages that Compass Lexecon says is owed; correct?
A. Yes.
Q. Okay. So, I'm not going to ask you just yet to comment on any particular details of any of these individual criticisms. But just to sort of set the framework, would it be fair to say that, in sum, you take issue with three basic aspects of their analysis?
A. Of whose?
(Overlapping speakers.)
Q. Of Compass Lexecon's analysis.
A. It depends how you count them. If you can
describe to me what the three are, I can agree or disagree.
Q. Certainly. So, the first--and this is Section A--is you take issue with Compass Lexecon's discounting of the value of advance payments; correct?
A. That's correct. I take issue with that.
Q. And then the second--this is Section B on the next page--you take issue with the particular Discount Rate that Compass Lexecon applied to expected future cash flows?
A. Correct.
Q. And then the final, this is in Section $C$ on the next page, where the section ends, is that you take issue with the Cost of Equity that they use as an interest rate to calculate the Present Value of unpaid progress payments?
A. Not so much, no. That's not what I said. So, they use the Cost of Equity as an interest rate. That's my disagreement.
Q. Yes.
A. I think on amounts owed that are not subject to risk, and there is just a fixed-dollar amount, you
should not apply the Cost of Equity as an interest rate.
Q. Right. Yes. And I recall you talking about that during your Direct Presentation.

So, those are your three basic buckets or categories of criticisms, and I note that for each of those, you performed some calculations based on those criticisms to arrive at an amount by which you say the damages should be reduced; is that correct?
A. Where do I say that they should be reduced?
Q. So, for example, we can look first at Paragraph 99.
A. Yes.
Q. At the end, you say: "Correcting this error alone reduces Compass Lexecon's assessment of damages relating to the Existing Contracts by
A. Yes.
Q. And if we look at Paragraph 100, at the end there, you suggest some additional adjustments. In fact, you say that your adjustments would reduce Compass Lexecon's calculation by between

## ; correct?

A. No. I don't recall whether this adjustment is what we call everything else being constant or whether it already incorporates the adjustment discussed in Section A. I need to review.

Yes. Okay. So, in Paragraph 100, there is a sentence that says "taking into account the correction to advances"--and that's the one discussed in Section A. So, yes, that's a cumulative change--
Q. Correct. Yes.
A. --on top of the , there would be an additional, within

Q. Correct. And then if you look at Paragraph 101, there at the end, you say by inappropriately applying annual interest rate-(Interruption.)
Q. Okay. Apologies.

You say that: "By inappropriately applying annual interest of 11.65 percent to the unpaid progress billings, Compass Lexecon improperly adds — in interest"?
A. Yes.
Q. Okay. And so, if you take those together, that results in an adjustment downwards of about

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; is that correct?
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A. That sounds about right.
Q. Yeah. Okay.
A. I don't know the exact number, but it sounds about right.
Q. Okay. And you're aware that Compass Lexecon computed the existing contract damages at being approximately 8.69 million?
A. Sounds about right.
Q. Okay. So, then we would adjust that down, through your calculations, and it would be reduced to approximately 7 million, a little over.
A. In the First Report, yes.
Q. Yeah. Okay. But as I think you're suggesting, by the time of your Second Report, you actually adopt some additional conclusions with respect to the existing contracts; correct?
A. Yes.
Q. Okay. So, let's take a look at that. It begins, I believe, on Page 72 of your Second Report.

So, the introduction is on Page 71, but the individual sections begin on Page 72. And you begin--from Page 72 to about 76, you start by, again, addressing the three, sort of, generalized areas or buckets of criticism that we just discussed that were in your First Report; correct?
A. You said this is through page--
Q. 72. It looks like that goes through about the top of Page 76 before you get to the summary.
A. Yeah. The summary and then the summaries on Page 77, yes.
Q. Yeah. Yes.

And there you are addressing those same three areas of criticism that we just talked about with respect to the First Report; is that correct?
A. Yes.
Q. And would it be fair to say that your opinions on those three issues are consistent with those expressed in your First Report?
A. Yes.
Q. Okay. So now, though, if we turn to Page 78, we look at subsection (c) and then this also continues
in subsection (d) on Page 79. Here, you've now added two additional criticisms that you say require adjustment, further adjustments down to the amount these damages; correct?
A. Yes. To be clear, one is my own independent opinion reading the documents. The other one is an instruction from counsel for Panamá.
Q. Okay. So, one of them, you say, is not based on an instruction from counsel.
A. No. I would--based on the proper way to quantify damages, I would say that an adjustment has to be done.
Q. Okay. So, let's look first with respect to the first one. And so, if we look at subsection(c), if I'm looking at Page 167--on 179 here, and beginning on the second line, you note that you were--"You have been instructed by counsel for Respondent to consider the above-mentioned contract addenda as not valid for inclusion in the calculation of alleged damages in this Arbitration."

Correct?
A. Yes.
Q. So, that's--this is not based on your Expert Opinion as an economist, this is essentially a factual or legal instruction that you were given by counsel to assume?
A. Correct.
Q. Okay.

PRESIDENT SHORE: I think the Transcript says page. It is Paragraph 167.

MR. HINES: Oh. My apologies. Yes, Paragraph 167. Thank you, Mr. President.

BY MR. HINES:
Q. And now if we look, then, at Paragraph 172, which begins on Page 80 and stretches on to Page 81, you start by saying: "We understand from counsel for Respondent that Addendum Number 4 was meant to replace Addendum Number 3."

So, here again, this is a factual assumption that you've been instructed on from counsel; correct?
A. Yes.
Q. Okay. So, that's the basis, then, for the conclusion that you reach regarding the further downward adjustment, is that factual assumption that
you've been instructed on?
A. No, it's not. I mean, I wanted to reflect my understanding that one amendment is supposed to replace. So, Amendment Number 4 is supposed to replace Amendment Number 3. But that's not the end of it because I also reviewed a document. Let me see if I can find it.

Yeah. It's in Footnote 264. I mention Document QE-106. And that's a document from very late in 2014. I think it was December 20 -something in 2014, in which it is clear from there that the Ministry representatives have not made any decision to give additional work to Omega Panamá. And based on that, from a valuation perspective, one cannot claim damages for something that has not been awarded to it. So, that was my basis for excluding and making that adjustment.
Q. Okay. So, did you a factual assessment of this document. Let me ask you, did you have that document at the time of the First Report?
A. No.
Q. You did not. Okay.

So, you reviewed this document, and on the basis of your expertise, you considered that it demonstrated that Addendum Number 3 was not intended to be implemented?
A. No. It is not about that. So, whether Amendment Number 3 superseded by Amendment Number 4, and so that's an understanding.
Q. Okay.
A. But what I see from the document--and that is not just economic expertise. It's a plain reading of the document. As of December 20-something, 2014, a decision to give some power line work to Omega Panamá had not been done, and there's a line in that document, Exhibit QE-106, that says we have three options. We have been talking to a company that is not Omega Panamá. Let's see if they want to do it, that's Number 1. Number 2, we could give it to Omega Panamá, and, Number 3, we could open a public tender process and then see what offers we get.

And that's the words that state what the document says as of very late 2014. And so, then neither Compass Lexecon nor $I$ can assume that that
would 100 percent sure have gone to Omega Panamá. There is no document in the record that shows that Omega Panamá had won the right to do that power line work.
Q. Okay. So, to be clear, though, your conclusions here rest on that document and your assumed fact that there has been no commitment for that work to go to Omega Panamá?
A. I'm sorry. I missed the end. There has been no what? No commitment?
Q. There has been no commitment that that power line work would go to Omega Panamá?
A. That's correct. As of the Valuation Date, no decision had been made regarding that.
Q. Okay. But so, would it be fair to say that, if the Tribunal issues factual or legal findings that are at odds with either your instruction in Section C or your assessment of the evidence underlying Assessment D, that your opinions would revert back to that which is set forth in your First Report?
A. As always, if the Tribunals do not agree with the Damages Experts' calculations, then the
calculations do not stand.
Q. Right. But I'm not so much asking what happens if the Tribunal disagrees with your calculations. What I'm specifically asking is, if the Tribunal finds as to Section C that the instruction you received from counsel, that on either a factual or a legal basis they disagree that that's an appropriate assumption, then this would fall out of your Report; similarly, with Section D, if they find that your factual construction of the evidence is incorrect, this would fall out, and we would essentially be left with the analysis you set forth your First Report?
A. I do not agree with the word "similar." I think they are separate. For the adjustment I proposed in Section C--what's the word?--it is based purely on instruction, legal instruction. So, I do not have any Expert Opinion or whatever that should be included or not--otherwise instructed that it should be--the adjustment should be made; right?

For Part D, the adjustment in Part D, that is my own personal opinion. Of course, if the Tribunal reads Document QE-106 and they do not read it the same
way I read it, then the result would be different.
Q. Right. And the result, then, if that happens, would be that your opinion would then effectively revert back to that set forth in your First Report; is that correct?
A. Correct.
Q. Okay. Great. Thank you.

So, I want to shift gears now, and I want to talk about the future--what has been called the Future Contracts claim, the valuation of the value of Claimants' investment apart from the existing contracts.

Now, I note that in Paragraph 8(i) of your First Report--we can turn back there. And that is on Page 8. There, you state that: "With regard to the Potential New Contracts Claim"--and this is right up at the top of the paragraph--"the value of Claimants' interest in Omega Panamá is zero."

Did I read that correctly?
A. Yes.
Q. Okay. And then a few sentences later in that same paragraph, you go on to opine that--this, I
believe, is part of the basis for the statement we just read--"Omega Panamá had no significant tangible or intangible assets that add value to the company"; correct?
A. You didn't finish the sentence, but the part that you read is correct.
Q. Sure. So, we can finish it: "add value to the company such that a Willing Buyer could be found"?
A. Correct.
Q. Correct. Okay.

And if we turn, then, to your second Report, you make essentially the same points in Paragraph 8 also to that Report. And I'm looking at Page 10 here, Paragraph 8 starts at the bottom.

Are you there?
A. Yes.
Q. Okay. So here, again, you're stating your opinion on the Potential New Contracts Claim. And you state that--and this in the first line: "From an economic perspective, the Potential New Contracts Claim should be dismissed"; correct?
A. Yes.
Q. And you go on to state: "No hypothetical Willing Buyer would have paid to acquire Omega Panamá because it did not possess any valuable tangible or intangible assets."

## Correct?

A. Yes.
Q. And then in that same paragraph but over on the top of the next page where it continues, you state that: "A fundamental conceptual flaw in Compass Lexecon's valuation exercise is its conflation of Omega Panamá with Omega Consortium."

Correct?
A. Yes.
Q. Now, I know this has been a topic of some discussion today already as well as earlier in this Hearing, but I want to spend a little bit of time revisiting this. You read Claimants' Memorial, the Opening Memorial dated 25 June 2018; correct?
A. Parts of it, not entirely.
Q. Okay. But we do know that you read at least some substantial parts of it because you've cited in footnotes throughout your two reports?
A. Yes.
Q. So, I'd like to turn to Claimants' Memorial, to Paragraph 154 on Page 89. Let me know when you're there, sir.
A. I'm there.
Q. Okay thanks, Dr. Flores.

PRESIDENT SHORE: Hang on. I'm not there. MR. HINES: Okay. Sorry, Mr. President. PRESIDENT SHORE: The page again. MR. HINES: It's Page 89 and it's Paragraph 154. It begins up towards the top of the page.

PRESIDENT SHORE: Thank you.
BY MR. HINES:
Q. And I'm actually going to be looking down towards the bottom of that paragraph. About four lines from the bottom, it reads: "In the end, the culmination of these actions destroyed not only Omega Panamá, but both Claimants as well. A construction company's goodwill, brand, and bonding ability is essential to its success. Omega U.S. and Mr. Rivera had invested their business goodwill into Panamá only
to see it ruined by Respondent's unwarranted, unjustified, and unlawful acts."

Do you see that?
A. I see that.
Q. So, it would be fair to say that this is a pretty clear statement of Claimants' view of how they were impacted or damaged by the Measures, and that that included more than just the loss of Omega Panamá, but it also included the loss of their business goodwill that they had invested into Panamá?
A. No. When I read this, to me, I understood that this was the basis for Claimants' asking for moral damages, which is something that neither Compass Lexecon nor I and Quadrant have done. So, I did read this statement, and I understand that that is Claimants' position regarding destruction of Omega U.S. and Mr. Rivera allegedly caused by Panamá, and I understand that that's the basis for your claim for moral damages, but that is something that we have not analyzed from an economic perspective.
Q. Okay. Well, let's look a little bit more at that. So, let's turn to Page 132, to Paragraph 216.

So, here, you can see that this is in a section discussing the counterfactual but-for situation; right? And this is under--if you flip back a page, it is under a general section on "General Approach to Calculating Damages." And Paragraph 216 begins by quoting Compass Lexecon to say that the value of Claimants' interest in the Omega Consortium stems from the value of its eight existing contracts awarded prior to December 2014 and from its ability to continue as a growing concern bidding and winning further public service work contracts from December 2014 on.

Accordingly, calculating the but-for situation requires a two-part process.

And if you go over to the next page, the second part of that process is that Compass Lexecon applies a Fair Market Value approach to calculating the value of Potential New Contracts in Panamá and, thus, of Claimants' investment but for the Government's unlawful conduct.

Do you see that?
A. You read it correctly.
Q. Okay. So, this, again, is telling you that Claimants' view of the damages from their investments, specifically these two heads of damages, the existing contracts and the Fair Market Value of their lost investment, relates to the value of the Potential New Contracts that their investment would have obtained in Panamá but for the Government's conduct; correct?
A. I mean, that is not exactly what this says, this Paragraph 216.
Q. Okay.
A. So, it says the value of Claimants' interest in the Omega Consortium has two parts; right? There are eight existing contracts. Well, yeah, those eight existing contracts were held by the Omega Consortium. And then it says ability to keep going forward. And then that cites to the Compass Lexecon Report. The Compass Lexecon Report, for the ability to go forward, it reads very clearly in their First Report, they do refer to Omega Panamá.
Q. We'll get to that Report in just a moment. But I do note that they are setting here their approach to calculating the damages, the
counterfactual situation, they are saying that the value of Claimants' interest in the Omega Consortium stems not just from existing contracts but from the Fair Market Value approach to the Potential New Contracts that would be generated in Panamá. That's what this paragraph says; right?
A. That's exactly--so, calculating the value of Potential New Contracts in Panamá.
Q. Right.
A. That's what it says.
Q. Right. Under the topic sentence of the paragraph, how you value the interest in the Omega Consortium.
A. I mean, we are going in circles here--right?--because the paragraph states what it states.
Q. Okay. Fair enough.
A. I mean, it is the Claimants' Memorial. I didn't write it, so it states what it states.
Q. Okay. So, let's turn to Compass Lexecon's First Report then. And let's go, in particular, first, to Paragraph 6.

Now, this section here is just actually describing some of the information that they've reviewed and relied on or examined in preparing their Report. And down towards the bottom of the paragraph, they state that some of the information that they reviewed was information on public sector investment and infrastructure projects during the period 2009 to 2014, as well as information on several tenders of public sector works in Panamá during the period 2015-2016, which could have been potential sources of business or targets for the Omega Consortium in the absence of the Measures; correct?
A. You read it correctly.
Q. Okay. So, here, they are looking at potential sources of business for the Omega Consortium in absence of the Measures?
A. That's what they wrote.
Q. Yeah. Okay. So, let's turn to Paragraph 12. And I note that you cited the first sentence of this paragraph in your Opening Presentation, the first two sentences. And I will agree that in the first sentence it references Omega Panamá. It goes on,
though, to say that this valuation--so, this is how they value it--corresponds to the Omega Consortium's capacity to generate new contracts based on the historical performance of the company, as well as on the observed and expected evolution of public sector investment in infrastructure in Panamá.

So, here, they are making a pretty clear statement of how their valuation works. It corresponds to the Omega Consortium's capacity to generate new contracts; right?
A. I do not agree that it's pretty clear because if you read the next sentence, it says: "In particular, in absence of the Measures, Omega Panamá would have:" and then it lists what Omega Panamá would have done. And at the end of the day, if you flip the page, Table 1 says: "Claimants' losses in Omega Panamá."

So, at the end of the day, I go by tables. And what Compass Lexecon did in the First Report is to look at Claimants' losses in Omega Panamá. So, I took that and I said, okay, well, let's look at the value of Omega Panamá. Is Compass Lexecon right or not
right?
I thought there was a common understanding, but you mentioned this morning about what it is that Compass Lexecon and I were doing.
Q. So, you were here for Respondent's Opening presentation, weren't you?
A. Yes, yes.
Q. You know that there were four slides whose heading was "Compass Lexecon did not value Omega Panamá"; right? That was--four slides of their presentation made a pretty clear point that what Compass Lexecon has valued here was not simply Omega Panamá; correct?
A. Okay. So, I'll change it. I didn't learn it this morning. I learned it on Monday morning.
Q. Okay. But you've reviewed all of these reports, and you would agree that when they look at the potential contracts that they are going to--that are the source of the valuation, that they are looking at what would be obtained by the Omega Consortium, which includes with the goodwill of Omega U.S. invested there in Panamá?
A. Can you point me in the Compass Lexecon Report where do they talk about "goodwill"?
Q. Sure. Let me rephrase that to say the "intangible assets."
A. No, but do they talk about goodwill in their Reports.
Q. I would have to look, sir, and I'd rather just move on for these purposes. They very well may, but I don't think it's worth spending our time on here.
A. Okay.
Q. So, let's look at--finally, just for one last point because this, I think, gets to your moral damages point. I'd like to turn to Page 30.

And if you're there--
A. Page what?
Q. Sorry. Page 30. So, here, this is under their damages valuation methodology, principle of full compensation. And they note at the beginning that: "We've been instructed to provide our assessment of the losses suffered by Claimants due to the Measures undertaken by the Republic of Panamá, which first
interrupted the completion of eight public works construction projects assigned to the Omega Consortium and, ultimately, resulted in the indirect expropriation without compensation of Claimants' construction services in Panamá restricting their ability to continue operating their business as a going concern."

PRESIDENT SHORE: I think you left out one word--construction services investment.

BY MR. HINES:
Q. Sorry. "Construction services investment." Thank you, Mr. President.

It goes on to say: "In addition, Counsel instructed to us assume that the Measures taken against Omega Panamá and Claimants negatively affected Omega U.S.' goodwill in Panamá" but then it goes on to say, "and its reputation abroad, causing Omega U.S. to lose its ability to secure financing for future potential projects, as well as its ability to get new projects in markets other than Panamá."

So, the final sentence--and I think this gets to the point you were making regarding moral damages
says: "As a result of the Measures, Claimants also suffered a loss for the value of investment opportunities abroad, but we have been instructed not to value these."

So, they are saying, as I read this, that we've been instructed to value the loss of the investment in Panamá, but we've been instructed not to value the loss abroad. Would you say that that's an accurate?
A. I don't know. At this point you should ask Compass Lexecon what they intended to write here.
Q. Fair enough.
A. Because, I mean, apparently it is so full of typos, and when they meant one word, they meant the other. So, I'm not going to speak for what they intended.

PRESIDENT SHORE: But you can say what you understood this paragraph to be, if you can.

THE WITNESS: Yes. I mean, to me this means that certainly that Compass Lexecon does not get into the issue of moral damages. I understood that clearly, and neither did we try to measure any moral
damages that may have happened.
BY MR. HINES:
Q. Okay. But you would agree that, throughout the Compass Lexecon Reports they, as you put it, conflate Omega Panamá and the Omega Consortium in their valuation; correct?
A. Yeah. When they look at the history, the fact is that the ten contracts that Omega Panamá won, it won never alone but always in a consortium with other companies. On five instances with Omega U.S., but in other five instances, with Omega U.S. plus a third party.

So, if you want to talk about the history, you are talking about several companies, you're talking Omega Panamá, Omega U.S., and then several third parties that also participated in order to fulfill the requirements of the bidding process.
Q. Right. And just before I move on, I just want to direct you, finally, to Paragraph 54 on that same page where it states that: "The value of Claimants' interest in the Omega Consortium stems from the value of its eight existing contracts and from its
ability to continue as a going concern, bidding and winning further public service work contracts from December 2014 onwards."

So, did you not understand that paragraph in the section on damages meant valuation methodology to suggest that what they are valuing is the value of the Omega Consortium, in part, stemming from its ability to win future public service work?
A. Yeah. This paragraph does mention Omega Consortium. But my reading of the entire first report of Compass Lexecon and, especially if you look at the summary table, the summary table is what you want the reader to first see. In the Executive Summary, they refer to Claimants' losses in Omega Panamá, and that's what I went with.
Q. Okay. I want to just step back here a bit for a minute. So, the purpose of the Fair Market Value exercise that you and Compass Lexecon discuss--right?--is to determine, you know, the full compensation that would be owed for the losses due to the Measures if there is liability found. Is that a fair statement?
A. Sorry, could you repeat the statement?
Q. Sure. You and Compass Lexecon both agree that you need to determine the full Market Value; correct?
A. Yes.
Q. And the purpose of that full Market Value exercise, what you are ultimately getting at here, is what the value of full compensation is that Claimants would be entitled to for their losses if liability is found?
A. I mean, I understand full compensation to be a legal term, so I am not in a position to opine what full compensation means.

What I know is that the treaties that apply in this case, they do call for Fair Market Value. But I have not gone into legal research about what the standards of compensation are to be. It was common ground between the Parties, the Fair Market Value as of a certain date, is what the Damages Experts ought to calculate and that's what we did, but without pretending that we know what that implies in the legal setting.
Q. Okay. Fair enough. Let me ask this. If Claimants' view of what their loss is, is that they lost not only Omega Panamá as a stand-alone entity, but the value of what they had invested in Panamá in totality, which in their view would be the ability to work as a going consortium to gain new public contracts. If that's their view, wouldn't you necessarily assume that, if you're going to value what their losses are, you need to look at what the value of that particular damage is?
A. Potentially if that was your position, the Claimants' position, yes, but the fact is that is not what Compass Lexecon did in the end.
Q. Well, I think we're going to have to agree to disagree there.

So, I want to talk a little bit on this topic regarding--let's assume that that was Claimants' theory--right?--that they lost not only Omega Panamá but also the investment of intangible assets from Omega U.S. that allowed them to gain new contracts and to profit in the Panamanian market.
A. Well, if you're asking me to assume, but then
you have to identify what are those tangible assets that we are valuing. There is nowhere in the Compass Lexecon Reports where there's an attempt to, first, identify and, second, quantify those intangible assets. So, if you wanted to say let's put a value to that, what would have been the value of those intangible assets in a counterfactual without the Measures, then, sure, we could engage into a conversation to see whether that had been properly quantified. But there's not even an attempt to say these are the intangible assets and this is how much these assets were worth in a counterfactual world.
Q. But we did just look where they note that--particularly how they value the Omega Consortium and its ability to obtain new contracts; right?
A. No. What they valued is Omega Panamá.
Q. Okay. So, let me take you back to something that we just looked at then. So, in Paragraph 12, again, of their Report.
A. First Report.
Q. First Report. Actually, you know, let's look at 54 of their First Report, which is where we just
were. And this was the sentence that I read to you. "The value of Claimants' interest in the Omega Consortium stems from the value of its eight existing contracts awarded prior to December 2014 and from its ability to continue as a going concern bidding and winning further public service work contracts from December 2014 onwards."

Right?
A. Right what? Are you asking me to agree what you read?
Q. Yes.
A. You read Paragraph 54 correctly.
Q. Okay. So, the point that I'm making here is when they are explaining their valuation methodology, they do very clearly explain that what they are valuing is the ability of the Omega Consortium to continue bidding and winning further public service work contracts from December 2014 onwards?
A. But you could replace the word "Omega Panamá" here. So, they say that they have made mistakes in the Report; right? So, I don't know where they stand now. Did they mean that this should be Omega Panamá
or Omega Consortium? At the end of the day, it doesn't make a difference because what the numerical exercise they have done is to look at Omega Panamá as a going concern, and that's what their calculations attempt to measure. There is no identification, and I think, honestly, Mr. Lopez Zadicoff seemed to be struggling this morning to answer questions in that regard. He has no way to identify this much is the value of the intangibles contributed by Omega U.S. and this is how much Omega Panamá is worth.

So, there has been no attempt whatsoever by the Claimants' Experts to identify and to assign value to that. So, the only thing we have is a valuation of Omega Panamá.
Q. Well, in fact, what we have is a valuation of Omega Consortium's ability to win further public service contracts; right?
A. That's not what Table 1 in page--that's not what Table 1 in Page 10 of the First Compass Lexecon Report says.
Q. Well, I understand you're looking at the heading of the chart. Can I ask you whether you read
the complete Report, not just the headings in the chart and the Executive Summary?
A. Yeah. I read the entire Report, and what I came away with is that Compass Lexecon had attempted to value Omega Panamá.
Q. Even though what they are actually valuing is the stream of contracts that the Omega Consortium would potentially gain in the future?
A. We don't know that because, I mean, first, as I mentioned, half of the Contracts that had been won historically was a different Omega Consortium. It was an Omega Consortium comprised of three companies. So, is that what they are valuing?
Q. You would agree with me that each of those consortiums that involved another company, that company had a 1 percent or less interest; correct?
A. As did Omega U.S.
Q. And that--
A. And Omega U.S., in all the contracts where Omega U.S. bid, in the bidding parameters, it required--it said if you bid as a consortium, you have to put your consortium documents. What is this
consortium about? And that goes to your question you asked earlier today. So, for each one of the winning bids, we have what the interests in the consortiums were. The interest of Omega U.S. and each one of the consortiums where it participated was 1 percent. It is Exhibit QE-113.
Q. But you were here for the questioning of your counsel on Mr. Lopez Zadicoff where he focused extensively on the role that, for example, the financials of Omega U.S. played in the Consortium's bids; correct?
A. What's the question? Whether I was in the room?
Q. Yes, and whether--
A. I was in the room.
Q. --whether you recall that emphasis that he placed in his questioning of Mr. Lopez Zadicoff?
A. I do not recall him--we'll have to look at the text, as to probably how extensive he was or not. But what I recall is that--well, that's fine. That's my answer.
Q. Okay. Well, let me ask you this. The track
record from which Omega--from which Compass Lexecon builds their Potential Contracts Valuation, that proceeds from the bids made and won by the Omega Consortium; correct?
A. Made by different consortiums. Each different contract had different combinations of partners.
Q. Understood.
A. So, there is not a one Omega Consortium that stayed frozen in time and it never changed. As you know, sometimes Omega Panamá bid on its own, sometimes it bid only Omega Panamá plus Omega U.S., and sometimes Omega Panamá plus Omega U.S. plus a third party. For each bid, depending on the requirement of the bid, they would assemble whoever was needed to qualify for the bidding process.
Q. But you would agree that it always included Omega Panamá and Omega U.S.; correct?
A. Not always. Sometimes Omega Panamá had bid alone.
Q. But that's not the Omega Consortium; right? That's Omega Panamá.

My question to you is the Omega Consortium always included Omega Panamá and Omega U.S.; right?
A. At least, yes, and sometimes other Parties.
Q. Okay. And you would also agree that Compass Lexecon did not attempt to value contracts that Omega Panamá would have won on its own; correct?
A. I think what Compass Lexecon tries to measure is how many contracts would have been available to bid.
Q. Bid by whom?
A. By the hypothetical buyer who would have bought the Company would then have been able to participate in bidding process.
Q. Right. But my question is, they are not valuing contracts that they say Omega Panamá would have been bidding on alone without Omega U.S., are they?
A. They don't say anything at all. I mean, because the fact is of the 10 contracts that Omega Panamá got, half were two companies, half were three companies. Compass Lexecon never tells us whether going forward what could be the split. Would all of
them be two companies, Omega U.S. plus Omega Panamá, or would it be all three companies? Or four companies? They don't make any determination about what would happen in the future.
Q. So, as you've pointed out, on a subset of the Omega Consortium bids, they brought in individual third parties to supplement expertise.

Do you have any reason sitting here today to doubt that they would have been able to do the same if necessary on contracts in the future?
A. Who is "they"?
Q. The Omega Consortium, Omega U.S. and Omega Panamá.
A. I mean, of course, you could find a third party. But that is precisely my point. My point is any hypothetical buyer would be able to assemble a team of people with the necessary technical, financial, and experience/knowledge to be able to bid for contracts in the PanamaCompra website. That's my point.
Q. Let's look at that point for a second because I note that your assumption is that--well, let's just
look at the Report. This is your Second Report, Paragraph 30.

Okay, so if we are there, this is going to be the--it's going to say--it says: "In the case of Omega Panamá, this was achieved through the Omega Consortium through the participation of Omega U.S., a company that put its reputation in industry standing at risk in Panamá. A hypothetical buyer of Omega Panamá would also need to bring these assets to Omega Panamá"; correct?
A. You read it as if $I$ was--as if this is what $I$ said; right? Not that--you read two sentences. One sentence I was quoting Compass Lexecon.
Q. Yes.
A. For the record.
Q. I apologize. You're right. That is fair. The first part was a quote.

The operative part I want to focus on, though, was your statement that "a hypothetical buyer of Omega Panamá would also need to bring these assets to Omega Panamá."
A. Correct.
Q. So, the hypothetical buyer that you're assuming for purposes of your valuation is necessarily a buyer that has those things to bring?
A. I mean, yes. Yes. But that's--I mean, it's what I said in my Direct Presentation. If you assume someone is going to get--any hypothetical buyer that is going to get into Panamá, certainly my mother will not go and buy Omega Panamá. It will not. It has to be someone that's a willing hypothetical buyer with reasonable knowledge of the relevant facts with something that has something to do in the construction industry; right? So, that person will have to necessarily--if someone is going to put--

Let's assume that Compass Lexecon valuation is correct and it's worth $\$ 40$ million. Omega Panamá by itself is worth $\$ 40$ million. If anyone willing to put $\$ 40$ million on the table is not going to be my mother, I promise you. She doesn't have $\$ 40$ million and she doesn't even know what to do with that; right? So, then what necessarily follows is going to be that the hypothetical buyer will be someone that will be able to do something with the Company.
Q. Okay. Well, so, I would note again that you were in the room when Plaintiffs' counsel took exception to Mr. Lopez Zadicoff's reference to Claimants' as Sellers because he noted that this injected into the hypothetical particular restrictions; right?

I'm sorry, Respondent's' counsel. I've been pointed out I misspoke.
A. I'm sorry. I got lost there. Could you repeat?
Q. Yes. Well, let me put this a different way. Your assumption, then, is that this hypothetical assumes that the Willing Buyer is a specific narrow type of buyer, the sort of buyer that would have these assets to bring to Omega Panamá; correct?
A. No. I wouldn't agree with qualifying the hypothetical buyer as not already defined. But a hypothetical buyer, there is some conditions; right? A hypothetical buyer has to be someone who has, at its disposal, $\$ 40$ million, if your valuation is correct. Otherwise, that is--so, you're not taking anywhere in
the world, like, out of 7 billion people. No. It has to be someone that at least has whatever you say the valuation is worth. So, you are always going to be restricting the universe of potential hypothetical buyers, but that doesn't mean, as Compass said incorrectly in their presentation, that you are focusing on an individual buyer. That is not what I mean. It is still a hypothetical. It's a hypothetical Willing Buyer. But it has to be someone that is capable of buying the Company.
Q. Correct. But my point is that that is the ability to have $\$ 40$ million is not the only restriction you place on it. You also place on it the notion that that buyer would be able to bring what you refer to as these assets in this paragraph which refers back to years of experience, et cetera, that, Omega U.S. brought. So, your assumption is that the Willing Buyer that needs to be considered in this hypothetical would have those assets to bring?
A. Yes.
Q. Okay. So, what you exclude, for example, is a private equity company that has no construction
experience but is looking to expand its portfolio into the developing market and says, You know what, I'd like to buy Omega Panamá for you and as apart from you--and as a part of that transaction, I would like embedded in there a contract that requires only in Panamá that you, Omega U.S., continue to participate in the consortium and continue to bring your bonding, experience, et cetera, to the table as part of that Consortium.

You exclude that buyer from your hypothetical?
A. No, I do not exclude that Buyer because, you are right, that potentially a private equity firm may be interested in, if there were value, to buy a general contractor outfit in Panamá, but what I tell you is like I've worked--we've done cases with private equity firms. Bonding capacity is not an issue for those firms.

So, they have no need for the bonding capacity that Mr. Rivera could provide through his other Companies. There will be no need for that. So, why would you pay for something that you wouldn't
Q. Well, you--
A. Let me finish. The private equity firm also has many investments, and one thing that you always need to provide is two years or three years' worth of financial statements. Financial statements--you don't need to show that you have millions and millions of dollars in assets, but at least you need to show that the Company has been in operation and that it's not bankrupt; right?

So, it's not illiquid or it's not about to go under. Any private equity firm will be able to provide any subsidiary--the financial statements of any subsidiary, and those financial statements could be used to fulfill the requirements of the bidding parameters.
Q. But, Dr. Flores, what they cannot bring, however, is experience--correct?--in the construction industry?
A. Experience in the construction industry you could also--so, I mean, what are you talking about? Is what $I$ was saying in my Presentation is specific
knowledge about who is the best cement provider in Panamá. Is that what you're referring to?
Q. No, I'm not. What I'm talking about is, for example, what surety companies look for when issuing these bonds, which is: Is the Consortium, is the person I'm extending this bond to going to be capable of completing the works? And that is a question as to do they have the experience, am I convinced that if I post this bond and they get this Contract, they will actually be able to fulfill it. And my question to you is, isn't that something that the venture capital company cannot itself bring?
A. I don't think that's the case, because private equity firms that would get into this arena, it probably would not be their first rodeo, and they would have other investments in other Latin America companies as well, and then they would say, yes, we can provide a 1 percent partner in a new consortium, and this 1 percent partner has completed six projects in the Dominican Republic or in Colombia or in Perú, and that would serve as the bonding capacity.
Q. So, in your hypothetical, you've now just
introduced that the Buyer--okay, it could be a venture capital company, but only if this isn't "their first rodeo," to use your term and they also have all this experience throughout Latin America.

So, you're excluding a venture capital
company where this is the first rodeo?
A. No. You are the one who started with the private equity. So, I'm trying to play along with your examples, because--come up with other examples.

But private equity firms usually do not have any problems coming up with bonding capacity. The problem with the bonding capacities, where if you have like a very tiny, small company that is brand new in the market. I have a company that is 18 months old, and I can provide bonds and, actually, many of my clients in South America, they ask for bonding, and I have no problems securing that, and I don't have that much experience. I only have 18 months' worth of experience in my company.
Q. You're aware, sir, that the sort of bonding and surety that is posted on a construction contract involves a different risk and a different type of
analysis than the sort of bond that you, Quadrant Economics, would be interested in that you just discussed; right?
A. I mean, but at the end of the day any bonding exercise is an assessment of risks.
Q. Right. And in this case it's an assessment of the risks of whether or not the construction will be completed. So, Quadrant Economics, for example, would not be granted a bond to complete a $\$ 12$ million construction contract?
A. But what I'm telling you is that Quadrant Economics has very little experience completing testifying engagements; right? And it's still, even though when I go to the bonding companies in the local countries in South America, for example, recently I had to do one in Colombia.

And they said: Okay. How many cases have you done? And I said 60. And they said no, no, no, no. Those were in another company. How many bonds have you done in--under Quadrant Economics--how many cases have you finished under Quadrant Economics? I said six.

They said, oh, well, we'll have to look at it. But eventually you talk to the right people and you get it. So, what I'm telling you, bonding capacity by itself is not such an unsurmountable object that no one could surpass.
Q. But my point here is that we're talking, and in 30, your reference back to these assets includes the years of experience and levels of construction projects in the past.

And my question was, simply, if the venture capital company is looking for its first entrance into the construction market in Panamá, they cannot bring years of experience and a level of construction projects in the past, can they?
A. Well, here I'm quoting what Compass Lexecon says it would be necessary. But, again, what's the value of that? What's the value that you assigned to that. There has been no assessment to--no effort to value those independently and see how much that would be worth. Mr. Lopez Zadicoff said that this morning, that he hasn't been able--or he hasn't done the exercise to quantify how much that would be worth.

And you can always replace that by simply getting a new 1 percent partner in a new consortium.
Q. Right. But, Dr. Flores, my point here is that the losses--the way that the losses are being valued is based on the ability to generate future contracts. You would agree that, as a part of the bidding contract, bidding process, they are going to look at what experience the Consortium has brought to the table; right?
A. What I'm saying to you is that the hypothetical Buyer could, in short order, constitute a new, different consortium, Omega Panamá plus whatever was needed to supplement Omega Panamá.
Q. Right. But in that hypothetical, you are necessarily not valuing the experience that Omega U.S. brought to the consortium and on Claimants' view of the case lost in Panamá, because you are assuming that no one is going to purchase that. You are carving out of your valuation part of what Claimants say they lost?
A. No, because, I mean, if you are doing a valuation as of 2015, and the contract requires you to
provide, for example, five contracts. That's some of the bids here have seen that, that require three, four, five different prior completed engagements, well Omega Panamá, as of that point, had already that. So, it could provide that as evidence of having been in Panamá for a while. Whatever value that had, that I don't think it's very high, but that could be provided.
Q. Well, but in point of fact, part of your opinion--and this is just at the page prior on Page 18--is that in the Contracts that were won, Omega Panamá was not the basis for the experience or financial capacity?
A. Yes. Correct. The Contracts were won in 2011 '12, '13, and--
(Interruption.)
A. Now, we are doing a valuation as of the--sorry. December 2014.
Q. Yes. And if you look at Paragraph 8, this is on Page 10, you fault Compass Lexecon for conducting a DCF analysis of Omega Panamá, and so this is necessarily forward-looking, you would agree; right?

This is looking at Future Contracts.
A. I'm sorry. Where are you now?
Q. I'm sorry. Page 10, Paragraph 8, bottom of the page, you fault Compass Lexecon for conducting a DCF analysis of Omega Panamá, even though Omega Panamá does not have a history of operations or profitability as a stand-alone entity; correct?
A. Yes. My assessments--so, I'm trying to move from the framework that Compass Lexecon has followed and my framework. My framework of this has no value; right?--so, all this discussion that we have been doing is under the parameters of Compass Lexecon.
Q. Yes. But what you just said a moment ago, sir, is that moving forward with Future Contracts, we don't have to assume they would need Omega U.S., because by that point Omega Panamá had won Contracts, so they could say, well, we have got, you know, four years and five contracts.

That was what you just said; right?
A. Yes, and that's the basis for in the Presentation, that under that--that scenario, a hypothetical Buyer--let me see if $I$ can find it. It's
what I showed in Slide 9 of my Presentation. Which--yes. Under this parameter, as of 2015, you could say, well, there's going to be some growing pains if I start at it on my own.

Buying Omega Panamá may give me access to kind of a more accelerated ramp-up, because Omega Panamá has, as of 2015, has some local knowledge, some local experience that, if you are a brand-new entrant you may not have. So, I have contemplated that possibility, and that's what reflected in this sliver in the top figure in Slide 9 of my Presentation.
Q. Yes. And to be clear, your position is that any new entrant that a potential buyer might create could have replicated Omega Panamá's experience from 2010 through 2014 and possibly--sorry, and potentially have failed, even better, in its initial start-up years; correct? That's part of the basis for the graph that you just showed us.
A. Yes. And, of course. We could discuss whether the--this shaded area in the figure in Slide 9 would be smaller or thicker or bigger or faster or slower. That I'm open to quantify. But said at the
worst, in the most conservative, the most favorable scenario to Claimants would be to assume that a new entrant would do no business whatsoever for five full years, and that's what $I$ use in the sensitivity to the Compass Lexecon model.
Q. But in point of fact, the new entrant A could fail; correct? That happens all the time.
A. And so, could Omega Panamá. In fact, based on the pattern that we show in here, and also even based on Omega U.S., a Buyer sitting there at the end of 2014--let me see if $I$ can find it. Right? A Buyer sitting at the end of 2014 looks at the Slide 15 and says, well, the best year that Omega Panamá ever had, although mere consortium if you want was 2012. Since then they have gone downhill. And if I look at the backing, or the financial support of Omega U.S. in Puerto Rico, they don't even exist in Puerto Rico anymore. They disappeared from Puerto Rico.
Q. Yes. And you're aware that, on Claimants' case, that is because of the Measures; right?
A. I don't know if that's your case. That wouldn't be my assessment of the facts, but that's--
Q. Okay. Fair enough. And we're going to get to that in just a moment. But the fact of the matter is that your chart and your assumptions there are really based on no comparative analysis. Your analysis is, essentially, because Omega Panamá did it, anyone else could do it; correct?
A. No. I was answering a different question. The question that you asked me is a new entrant could fail. My answer to you was, like, well--it was not clear that Omega Panamá would succeed, either. This morning, Mr. Lopez Zadicoff said that, well, I haven't taken into account--I, Daniel Flores haven't taken into account that start-ups have a risk because they can fail.

He said 50 percent of companies fail after five years. That's what he said this morning. Well, how old was Omega Panamá as of the Valuation Date? Less than five years old. So, there's a reason that Omega Panamá itself would have failed.
Q. Well, to be clear, sir, you're pointing to these graphs on bids and assuming that that means that they are doing more poorly, but, in fact, they had a
backlog of eight Contracts with the Government--correct?--that they were working on.
A. They had a backlog of eight Contracts, but they were not experiencing any new additional contracts. I, as a businessperson, I know I always have to be concerned about--so, right now we are working on 10 cases, but I'm not concerned with 10 cases, I'm concerned about what's the pipeline--the new pipeline. If you don't get a new case every month, it means by the end of year I won't be able to pay the salaries of my people over here.

So, you are always--have to be forward
looking. It is very alarming when you don't get any new engagements over 18 months.
Q. Well, but they did in fact; right? They got three new engagements in 2012, one in 2013?
A. No, I'm talking as of the valuation date.
Q. So, 2014--
(Interruption.)
PRESIDENT SHORE: You are beginning to speak over each other. Kind of slow down a bit. Okay? Thank you both. Thank you.

THE WITNESS: So, I was talking as of the valuation date, at the end of 2014, what you know is that in 2013, they bid for--Omega Panamá bid for four cases. Only one won, and that one case was in the amount of $\$ 2$ million, which represented 3 percent of everything they had bid for. And then in 2014 they don't get anything.

So, you are almost like, as of the end of 2014, you are for two years--let me finish. So, two full years, and the only new business that has come in the door of Omega Panamá is $\square$. That would be preoccupying to a potential buyer.

BY MR. HINES:
Q. Okay. And in 2014, you're aware that the Measures started in mid-2014; correct?
A. I understand that's the allegation.
Q. Yes.
A. But that's only half of the year.
Q. And you're also aware that you, yourself, cited and put in the record a law which significantly restricts the ability of the Government of Panamá to enter into new contracts in the six months preceding
an election, which would cover the entirety of the first part of 2014; correct?
A. I mean, that--there are some restrictions to avoid, for example, that an outgoing Administration would be just giving contracts to their friends and so on. That is correct. But the country doesn't stop working because there is an election. And contracts have to be awarded for things that have to be awarded.

So, I have seen no evidence that contracting or the issuing of new bids and new requests for public works, that those fell down to zero in the first six months of 2014. No evidence has have--I don't think there is any evidence on the record to that effect.
Q. You haven't but any evidence in of any bids that occurred during that period, did you?
A. Because I wasn't aware until Mr. Lopez Zadicoff said that this morning that he was having a contention about that.
Q. But you put in the law that actually restricts their bidding. That was your exhibit. It was QE-28.
A. Okay. Can we show exactly what it says?
Q. Please. Let's go to $\mathrm{QE}-28$.
A. Does it say that no new bidding at all will ever occur in the six months before the election?
Q. It does not.
A. Okay.
Q. It restricts it to 50 percent--
A. That is my recollection. (Interruption.)
A. That is my recollection.
Q. The Witness's question was does it say that no new bidding at all will never occur in the six months before the election. I said it does not. If we look at it, what it does is you severely curtail the amount of new Contracts that can be expended on the basis of the current amount of annual accessible budget.

And this begins at the beginning, at the bottom of Page 9--or, I'm sorry, at the bottom of Page 8. It is 9 of the PDF, and continues on to the bottom of Page 10 of the PDF, which I think is numbered 9 at the top.
A. So, are we looking at the Spanish or the

English?
Q. This is only in the Spanish. You didn't translate this portion when it was put in.
A. I'm sorry. What Article?
Q. It's going to be Article 15.
A. Let me read it to refresh my memory. Okay. May I translate from the Spanish into the English for the record?
Q. Certainly.
A. So, the relevant standards that I think you are meaning is that it says: "It is forbidden to the public entities set forth in this law that during the last six months of a Government they will enter into obligations that do not have the sufficient budget appropriation, and that will not be able to be paid during the same fiscal year."

This does not say anything about you can have no new contracting. This--what it's saying is that, if you bid for new projects, make sure there is a budget allowed to them.
Q. Please continue down to the end of Article, which appears at the top of the next page.
A. Well, I'm reading what $I$ think it's--I think; right? Okay. So, it says--I'm going continue. I'm going to read the whole thing.
"In the determination of the availability of cash, it will be taken into account the revenues program and the commitments or the budget commitments for the year through the end of the exercise."

So, what this is saying is like you cannot make the budget through--spend everything for the whole year through midyear and then leave everything to be paid for the new Administration. It is--you need to be responsible.

And then if you turn to Year 1, and it says: "During the last six months of the Government mandate, you cannot use more than 50 percent of the annual budget," which means a year has 12 months, so in the first six months, you can only use half of what's for the whole year. I don't see what dramatic severe restriction is that.
Q. Well, can you name for me one single Contract that the Omega Consortium obtained whose budget lasted for less than a year?
A. No, no, but you understand, sir, you can have a budget and you can say this is going to be the amount allocated to 2014, and there's going to be amount allocated to 2015, amount located to 2016.

So, I have lots of contracts with governments and that's how they work. They don't give you--you cannot spend everything in this year. If I had a First Report, a Second Report, a hearing, and post-hearing, there is different budget allocations. And I cannot spend in 2020 the amount for the Second Report, that has to be filed in 2021.

PRESIDENT SHORE: I guess, can I interrupt for a moment, Mr. Hines. But I guess one could look and see what, as a matter of fact actually was bid out in the first six months of 2014, and just to confirm, that's not an exercise that you engaged in, and I understand your explanation. That is not an exercise you thought you needed to engage in. That wasn't an exercise that Mr. Lopez Zadicoff engaged in either.

## Is that correct?

THE WITNESS: Yes. You are correct. The only restriction that $I$ see here, at the end of the
day, is that in the first half of the year, you can only spend 50 percent. I think you misunderstood probably from the Spanish that this meant to be--that in that year you can only spend half of the normal amount. No. What this means is in the half year you can only spend half of the total.

PRESIDENT SHORE: But, and I understand the theoretical point on what the law says.

THE WITNESS: Yes. Yes.
PRESIDENT SHORE: But in terms of what was actually bid out, that we don't know.

THE WITNESS: We don't know. Yes. If Compass Lexecon was troubled about that point, I think I admit in my First Report the point that they didn't bid anything at all in 2014. If he had replied, I would certainly have gone and dealt with it.

PRESIDENT SHORE: Okay. Thank you very much. Over to you, back to you, Mr. Hines.

BY MR. HINES:
Q. Okay. One last question on that point. You recognize that the question is not just is the Government awarding some contracts in the last six
months of the administration; right?
The question is whether they are awarding any contracts, or tendering any contracts that fall within the universe or the scope of contracts that Omega actually bids for; right?
A. I think that would be a relevant question, potentially, yes.
Q. Right. And you have no basis to assume that the reason that they weren't bidding in early 2014 is simply that there were no contracts available. You are simply assuming that it shows a Company in distress?
A. I'm not assuming a Company in distress, but I said this would be worrisome. So, if you see in 2013 the fact is they bid, they wanted to get in business. They only got $\quad$. That's a

Q. Okay.

MR. HINES: Mr. President, I'm about to transition to another topic. If we're planning to take a break soon, this is a good time, but I'm happy to start it, if you'd prefer.

PRESIDENT SHORE: I lost track of the time, which is not what I'm supposed to do.

I think a 15-minute break now would be fine. Same instruction, Dr. Flores.

THE WITNESS: Understood.
(Brief recess.)
PRESIDENT SHORE: Back on the record.
Mr. Hines?
MR. HINES: Thank you, Mr. President.
BY MR. HINES:
Q. So, Dr. Flores--

PRESIDENT SHORE: I think we need your microphone, Mr. Hines.

MR. HINES: Thank you, Mr. President. BY MR. HINES:
Q. Dr. Flores, I'd like to turn to Page 42 of your Second Report. I'm going to transition now to this. What you deal with here is if the Omega brand and the Omega U.S. intangibles were included in the valuation.

So, here on Page 42, in Paragraph 80, you state that: "The foregoing examples help establish
that, even if it were methodologically correct to include the value of the Omega brand in the valuation of Omega Panamá, it is not. For the reasons set forth above, Compass Lexecon's argument that the Omega brand is one of the intangible assets that supports a valuation of Omega Panamá is unfounded and contrary to the facts."

Correct? That's what you stated there?
A. Do you mind if I read? Because it talks about foregoing examples.
Q. We're going to get to there.
A. No, but--
Q. Can you just confirm if $I$ read that correctly?
A. You read that correctly.
Q. So, let's turn to the top of this section. We'll go through it methodically.

So, at Paragraph 74--this is on Page 40; this is where this section starts--in the second sentence, you state the basis for the conclusion we just looked at, which is that, in fact, the reputation of the Omega brand was in trouble long before the Measures
due to the problems encountered by Omega U.S. in Puerto Rico; correct?
A. Yes.
Q. And you go on to cite several facts that you say evidence that as support.

So, let's look first at Paragraph 75. This is the first example. Here you cite to a 2010 Report regarding purported issues with the Coliseo de Puerto Rico; correct?
A. Yes.
Q. Now, I know you were here in the room on Tuesday when Mr. Rivera provided testimony; right?
A. Yes.
Q. So, you heard Mr. Rivera note that the Report you cite does not mention Omega at all and is not clear as to whether it's discussing design deficiencies or who was responsible for the deficiencies.

Do you recall that testimony?
A. Not off the top of my head.
Q. We can pass out the Transcripts, if you'd like.
A. I take your word for it.
Q. Okay. Well, in fact, if you look at that Report, which you cite as QE-OO92, you, in fact, can see that Mr. Rivera is entirely correct. It never mentions Omega in it at all, does it?
A. I would have to verify. It is possible it doesn't mention Omega at all. But I think it was well-known, and we all know, that there was an Omega Project.
Q. Sure, but--
A. So, if the document says the construction is substandard, the document may not say who constructed it, but if you have another document that tells you who the constructor was, then you can put two and two together.
Q. Well, to be clear, did you review Omega's scope of work under the Contract for that Project to see whether any of the deficiencies they are describing related to that scope of work?
A. I could not find Omega's scope of work, but I know in this Arbitration, in the Claimants' papers, the Claimants have portrayed themselves as the
developers of that Project.
Q. Right. Understood, but, to be clear, my point is: You have no idea whether the deficiencies described there actually fell within Omega's scope of work under the Contract or, for example, may have resulted from engineering diagrams that were contracted to an architectural firm or someone like that?
A. Yes. I have not verified that.
Q. Right. And, to be clear, as we talked about, you're not an engineer, so you really have no personal basis to construe design defects and allocate them to a responsible Contracting Party, do you?
A. No. I have not attempted to do that. My only point is that if you show as your biggest accomplishment a certain project, the Coliseum of Puerto Rico, and then this public document says that that project had defects--wrongly or rightly; I'm not making opinions--but at least that's something that puts into question the Omega brand.

So, if that's kind of like your showcase, one of your biggest projects, and that project has been
heavily criticized, that has to tarnish the reputation of the person that announces that project as its own project.
Q. So, to be clear, your construction that it was heavily criticized is based entirely on some assessments in this Report that aren't attributed to Omega Panamá and a couple of articles that relate to the deficiencies in that Report. Is that a fair statement?
A. It's an official Report by the Comptroller of Puerto Rico assessing the quality of that Project.
Q. Okay. Now, in Footnote 115, where you cite to this Report, you provide the date as April 2010; correct?
A. Yes.
Q. I'd like to take you to Exhibit C-348.

So, you can see from the first page here that this is a document from a bid for a MINSA Project, specifically the credentials of the bidder; correct?
A. Yes.
Q. So, let's turn to Page 229. And the page numbers are down at the bottom in brackets there.

There may be other page numbers scattered throughout it, so I just want to focus on those.

Okay. This is a letter from the Puerto Rican Infrastructure Financing Authority; correct?
A. It appears to be.
Q. Yes. Well, it says that right at the top; right? Next to the logo AFI?
A. Yes.
Q. Okay. And it's dated December 23, 2010;
right?
A. Yes.
Q. So, that's going to be roughly eight months after the report that we just discussed that you cited; correct?
A. Yes.
Q. Okay. And the subject of this document, as you can see in the gray line, is a certificate--certification of technical competence; correct?
A. Yes.
Q. Right. This is something that was presumably solicited so it could be included in these bid
documents?
A. Yes.
Q. Right. And you can see that, in providing this certification of competence--and this is in one--they make reference to an Omega U.S. project in Puerto Rico, an athletic stadium; correct?
A. Where does it say "Omega U.S."?
Q. Well, Omega Panamá didn't build stadiums in Puerto Rico, did it?
A. No. But I don't see where it says--
Q. No, no, no. I'm just asking you: It's in reference to an athletic stadium in Puerto Rico; right?
A. Athletic stadium Mayagüez, yes.
Q. Right. So, presumably, that was not an Omega Panamá project; right?
A. I would agree with that.
Q. Right. Okay. So, they provide this certification, and if you look down at the bottom on the opinion they provide, the opinion that they provide is "excellent"; correct?
A. It says "excelente," yes.
Q. And that's an opinion of La Empresa of the Company, not of the specific Project; right?
A. I don't know.
Q. Well, isn't that what the words tell you?
A. I'm not familiar with this document, so I cannot--
Q. Well, no, I'm just asking you what the word says.
A. The word says "Opinion about the Company Omega Engineering Inc."
Q. Okay. And it says "excellent"?
A. But Omega Engineering Inc., that's Omega Panamá; right?
Q. Correct. And I recognize that--
A. So, I'm--I don't know what this means.
Q. Okay. But you'll note in the "to" line that they sent it to Omega Engineering Inc. in Panamá, presumably for purposes of this bid; correct?
A. So, I don't know. I mean, they are saying that Omega Engineering Inc., which we know as Omega Panamá, is excellent?
Q. No, sir. I would submit to you--this is my
conclusion--that, given that they are clearly discussing their opinion on a company that built a stadium in Puerto Rico, that this is just an error and they're talking about the Omega entity that actually built the stadium for them?
A. I don't know.
Q. Okay. But you would agree that they note that it's "excellent"; correct?
A. It says "Opinion about Omega Engineering Inc.: Company is excelente."
Q. Okay.
A. Now, if I were to be reviewing this document, I would ask, "So, what's going on here?" Yes. I don't know. I mean, I cannot opine. I haven't focused on this page before, but I don't know.
Q. Okay. But it's fair to say that eight months after the Report you cite as being damaging to their reputation, the Puerto Rican Government is willing to give Omega a certification for purposes of another bid that provides an opinion that the Company is excellent; right?
A. I mean, this is what this one page seems to
be saying.
Q. Okay.
A. Again, so--if you will remember the other document, it was a much longer document.

Again, I guess the State of Puerto Rico is quite big. This is a gentleman which is the Engineering Director sending a letter that at least would appear to have typos. So, I don't know what's the basis for him saying "excellent." I do not know.
Q. Okay. But so, it's your position, then, that the Puerto Rican Government would issue a letter for purposes of bid noting that a company is excellent if another part of that Government had concluded that that company had engaged in shoddy and deficient work?
A. No. My position is I don't know. I know that the Comptroller document, it's a very large document, and I reviewed it, and it has a lot of detail and so on. And it is signed off by a person. It is signed by the Comptroller itself. So, it has an official bearing.

I don't know what's the--I do not know who would have more weight, whether the Director of

Engineering in a letter with a typo, or whether the full Comptroller Report that was issued on the other hand. I'm not able to compare them.
Q. Right. So, let's just note again that the comparison you would be doing, if you were to do it, is between a Report that doesn't make mention of Omega anywhere in it and which we have already established you did no analysis to determine whether any of the criticisms were within Omega's scope of work or attributable to them--so, a report that says nothing on its surface about Omega--and a letter from the Government that says Omega, their Opinion of the Company is excellent.
A. Again, I would not characterize it like you, the way you did, because you said this is a letter from the Government. I say this is the letter of one person, on the letterhead of an authority, but I don't know whether--so, he seems to be a Director of Engineering.

So, the comptroller Report was issued publicly. I don't know if it has some approval by the legislative chamber of Puerto Rico; I don't recall
that. But it was probably signed in their presence. So, I don't think this ever went to the press or was publicly done--I don't know what the approval process is. So, I'm not able to give you a legal opinion on which document carries more weight.
Q. But do you agree that the Director of Engineering from the AFI did issue this later letter noting that the Company was excellent?
A. I did not know that.
Q. Okay. Let's move on. Let's turn to--I seem to have lost my place here. Let's turn to Page 41, to the next paragraph, Paragraph 76.

Okay. So, here you cite to a lawsuit between Oriental Bank and Omega U.S. in relation to a line of credit.

Now, did you do any research on the background of this dispute beyond the one Opinion that you cite to here in your Report?
A. No, I did not.
Q. Okay. So, you have no idea of the background facts or the relationship between Omega and the bank that gave rise to this dispute, what any of the other
details preceding this Appellate Opinion may have been, nor what the ultimate resolution of that lawsuit was?
A. No. I just, based on the fact that--I mean, when you do an internet search and the first thing you see is that you have problems with the bank that has sued your company, that, to me, is worrisome. I wouldn't want that to happen to Quadrant, and I hope it never happens.
Q. Okay. And you were here on Monday when Mr. Rivera explained that the resolution of the issues with this credit line, and with respect to this lawsuit in particular, could be seen in Note $H$ to Omega U.S.' 2014 audited financial statements? Do you recall that testimony?
A. Not in particular, but--
Q. I can show it to you if you'd like, or you can accept my representation that he did point to Note H .
A. I accept your representation.
Q. Okay. So, let's take a look at that note. Let's turn to Exhibit C-386.

Okay. So, looking at the first page, we can see that these are the consolidated financial statements for Omega U.S. for the years ending 28 February 2014 and 2013; correct?
A. Yes.
Q. And you reviewed this document in preparing your Second Report; right?
A. Yes.
Q. So, turn to Page 21.

Okay. So, here is the Note $H$ that Mr. Rivera referred to on Tuesday. And the first paragraph, which you can go ahead and read, describes

A. So, I have read first paragraph.
Q. Okay. So, then the next paragraph notes that--this is beginning at the top: Do you see that?
A. Yes.
Q. And it goes on to say that: "

A. Not exactly.
Q. But approximately; correct?
A. Well, in the financial statements, this refers to a note payable with a balance of even.
Q. Okay.
A. Here, it is talking about--in this here, meaning Exhibit QE-0095, it is talking about 2.4 million, plus an interest at 51,900, plus then $\$ 300$ daily, plus then 10 percent for costs and expenses of lawyers.
Q. Right. But Mr. Rivera--again, if you want to see the testimony, we can point you to it there--indicated that this note pertains to the lawsuit in question.

Do you have any reason to doubt his testimony in that regard?
A. I don't know. We do not have--we only have his word, so that's what we have.
Q. Okay. Well, let's then just, I suppose, assume that the
 loan addressed here is the same loan as the slightly over 2.45 million in the

Opinion you cite. It notes that the Company entered into an agreement with the financial institution in which the company paid
 for the cancellation for the total debt.

It then goes on to describe a second loan, and it says as to that that the Company entered into a Refinancing Agreement in which the Company paid

1 million, and the remaining balance of was converted into long-term debt; correct?
A. Yes.
Q. Okay. And the date of these financial statements--I will have to look at Page 4 for these--the date of them is July 10, 2014; right?
A. Yes.
Q. Okay. So, presumably, the resolution of these issues with the credit lines and the debt happened sometime between year-end 28 February and the date of this document, July 10; correct?

MR. RYAN: Mr. President, I'm going to object, because $I$ think we've gotten very far off from what this note actually refers to. We have a discrepancy between the amount that is referenced in
the lawsuit as the 2.45 million, a precise number here, and then an amount that is above as Dr. Flores pointed out.

I would also note that in this second paragraph--well--

PRESIDENT SHORE: I've got the objection. I'm going to let it continue, because Dr. Flores is capable of doing exactly what you're doing, Mr. Ryan, and looking at the document, which is one of his exhibits, in any event.

I would say I think we have the point, Mr. Hines. The critical point may be, for branding purposes, what information is publicly available and what people would publicly look at and be able to research, and that might be something that you would want to put to Dr. Flores--but you don't have to--in order to get at his branding point.

But if you're going there, fine, and if you're not, fine. But I would say--I think we have the point on going through these documents.

MR. HINES: Absolutely. And I'm moving on from there, because what I'm actually focusing on is
the relevant reputation here, which is the one that factors into bidding, which is the reputation in front of those evaluating the bids.

PRESIDENT SHORE: All right.
BY MR. HINES:
Q. So, I'd like you to look at Exhibit C-278.

Okay. If you look up at the top, you can see the logo here. You can see that this is a document from the ASSA Insurance Company; correct?
A. Yes.
Q. If you look down at the bottom above the signature lines, you can see its dated May 5, 2014; correct?

It says, "Signed as of today, May 15, 2014"?
A. Yes.
Q. If we look back up at the top, we can see that this pertains to--and this is next to the word "Contractor"--Omega Engineering Inc., Omega Panamá, and Omega Engineering LLC--Omega U.S., in the parlance of this Arbitration.

Now, this is an extension of the Performance Bond issued by ASSA in connection with the City of

Colón contract; correct?
A. The public market in Colón?
Q. Correct.
A. Yes.
Q. And what this is is an extension of the bond that had been issued by ASSA in connection with that contract; right?
A. Can I read it? I don't recall having seen this document before, so I would like to read it.
Q. Please. Absolutely.
A. Yes, I have read the document.
Q. Okay. So, you would agree, then, that this is an extension of the bond issued by ASSA in connection with the City of Colón Contract; correct?
A. It seems to be for an extension of 30 days. It says "an additional term of 30 days."
Q. "After termination thereof." That would be the termination of the Contract, but if you look up above where there's the performance bond and term, it says 1,170 days as of the date specified in the following cases.
A. Okay. So, you're saying that this is an
Q. That's really my basic point. It's an extension of the--
(Overlapping speakers.)
Q. My point is that you can tell from the top that this is a term extension endorsement; right?

And it says, in the first paragraph, that it's hereby understood and agreed--and it goes through the bond and what it's for--that they have their term extended; correct?

So, my simple question was: This is an extension of the bond that was issued to Omega Panamá and Omega U.S. in connection with the City of Colón Contract?
A. Honestly, I haven't seen this document before, so I'm reading it along with you. I don't know.
Q. Okay. So, those words, you can't conclude anything from them?
A. No, I'm just saying I haven't studied this document before. So, $I$ know it says in English "term extension endorsement," but I don't have the context.

I don't know what was the prior document, that this is an extension for two days or for two months, or under what--so, I don't know anything about this document. That's all I can tell you.
Q. Okay. But in any event, as of May 5, 2014, their insurance company is willing to extend the bond that had been issued to them. Is that a fair statement?
A. It has some conditions here.
Q. Certainly. As I'm sure the original bond did.
A. It says, like, this is--I see here it says: "The effective nature of this endorsement is subject to the absence of any reported or known breach to date." And then it continues.

I don't have the context to tell you whether this was--what this was about. I don't know.
Q. You don't have the context to tell me whether or not this was an extension of the bond?
A. It would look like that, but I cannot tell you--are we talking about the one-week extension? Or the one-year extension? I don't have the facts.
Q. Okay. Well, let me ask you: You're not aware of anything in the record whatsoever that suggests that ASSA or Travelers, Omega's surety providers, raised any issues or concerns with Omega until after the Measures--correct?--when their surety was pulled?
A. It's an issue that I have not studied, so I cannot tell you one way or the other.
Q. Okay. But earlier, when we were talking, you said that, for purposes of bonding, the important thing is financing; right?

You have to be able to show your financial wherewithal, more or less?
A. I don't remember if I said that, those exact words. I put them as two separate issues.
Q. Okay. Fair enough.

But to return to the point: After this lawsuit in 2013, you are not aware of any issues or any evidence suggesting there were any issues or concerns raised by any surety providers of Omega U.S. until 2015, after the Measures had begun?
A. I repeat my answer: It is not an issue that

I have studied, so I cannot tell you either way.
Q. Okay. Then, in Paragraph 77, you cite to purported issues with a bid Omega U.S. submitted for the Puerta de Tierra Project; correct?
A. Yes.
Q. And you cite to a letter from the Infrastructure Financing Authority submitted as $Q E-96$ ?
A. Yes.
Q. Let's look at that.
A. You said QE?
Q. QE-96.

This letter is dated July 21, 2014; correct?
A. Yes.
Q. And if we look at the bottom, we can see the letter was sent by María L. Santiago Rivera, the President of the Auction or Bid Committee?
A. I'm sorry. One second.

Sorry. What's your question?
Q. My question is just: At the bottom, it is signed by Ms. Maria L. Santiago Rivera, President of the Auction Committee, although I'm informed that that may more accurately be translated as "Bid Committee."
A. Okay.
Q. And if we look down Page 1, we can see here that the authority cites to Note $H$ in the financial statements that we looked at a few minutes ago; right?
A. I'm not sure. So, the ones we are looking at were the statements issued when? I don't recall.

Every statement will have a Note H. I don't know if you are talking about the same year or a different year.
Q. July 10, 2014; right?

And you can see that she references the content of Note H, which matches what we looked at regarding the balances of the line of credit, and she refers to it as "your most recent financial statements."
A. So, that's my question: Which ones are the most recent financial statements--
(Overlapping speakers.)
Q. They would have been the ones that were issued approximately, at that point, 11 days earlier that we just looked at. The ones for year ending February 28, 2014, that were issued in early

July 2014, which we just looked at.
A. Again, I'm not sure about that, because-MR. RYAN: Perhaps it would be helpful to put the financial statement in front of him again.

MR. HINES: Okay. If you need that, you can look at Exhibit C--

PRESIDENT SHORE: It is not so much that.
Are you saying that you don't know which financial statements were submitted to this particular entity--

THE WITNESS: Exactly.
PRESIDENT SHORE: --because it might not necessarily have been the most recent in date?

THE WITNESS: Yes. Because the fact that--I think it had a seal from an external auditor; right?

BY MR. HINES:
Q. Yes.
A. So, exactly. It has a seal as of July 10, 2014. What I don't know is whether a letter sent 11 years later, the more recent statements that the person--this Miss Santiago Rivera--would have--would be these that had been issued 10 days before or the ones that had been issued about 365 days before. I do
not know that.
Q. Fair enough.

But let's look at the substance of her point, whether it's that Note $H$ or the Note H. Prior to that, we agree that whatever Note $H$ she is referencing pertains to the statement that the lines of credit had been canceled, just like the Note $H$ we looked at; right? So, regardless of whether it was the financial statements we looked at or not, her concern is with respect to a Note $H$ that describes the cancellation of lines of credit?
A. Yeah. Do we have the financial statements for from a year earlier so that I can check them?
Q. Sure.

PRESIDENT SHORE: I'm not sure you need to for the purposes of this question. Let's see. Maybe we don't have to turn it up. Why don't you continue.

THE WITNESS: Okay.
PRESIDENT SHORE: If you can't answer, then you'll say, Dr. Flores, that you need those Financial Statements.

THE WITNESS: Okay.

BY MR. HINES:
Q. Okay. So, my question is simply, irrespective of which Note $H$ and which year she's referencing, we can agree that the issue she's raising is that that ; correct?
A. Yes.
Q. Okay. And, as a result, she then--at the top of the next page, she goes on to say that the documents in Omega's proposal, in those documents, the principal Executive Officer of Omega informs us that you currently maintain lines of credit with the Banco Popular de Puerto Rico and Doral Bank with available balances of $\square$ and $\square$ respectively.

Do you see that?
A. Yes.
Q. And she goes to say that: "Given the information presented in Note $H$ of your financial statements, we need this information to be cleared by a certificate from the credit official of the banks where you maintain those lines of credit."?
A. Yes.
Q. Okay. And this, as you point out in your Report, is a letter issued in connection with a bid that Omega U.S. had submitted for the Paseo Puerta de Tierra Project, which you can also see from the bolded language on Page 1; correct?
A. Yes.
Q. Okay. Now, you don't mention in your Report in that paragraph whether Omega actually did submit the required certifications proving that they had those lines of credits with those balances, do you?
A. According to the available information from Puerto Rico, there was no more information on this point.
Q. Okay.
A. So, this was a publicly available document that I found on the internet.
Q. Okay.
A. So, there was no follow-up. I assumed that, if a letter would have been replied, it would have been attached to this same letter here.
Q. But you are aware that following this letter, Omega actually received the Contract; right? It was
awarded the Contract for this Project?
A. Let me check.
Q. We know that because in the next paragraph you claim that they abandoned it at some point later.

PRESIDENT SHORE: Yes. In the previous paragraph, you say they obtained it, and in the next paragraph, you say they abandoned it.

THE WITNESS: Yes.
PRESIDENT SHORE: Okay. Next question, Mr. Hines.

BY MR. HINES:
Q. Okay. So, the answer is, yes, they obtained this.
A. I mean, sorry, I was trying to--
Q. Right.
A. --find my way around the documents.

Yeah, it's true, so the Contract was awarded to Omega Panama, sorry - Omega U.S.
Q. So, whatever concerns the Contracting Authority had as of the date of that letter, you--clearly, those concerns were not sufficient for them to deny Omega the Contract; correct?
A. Apparently not.
Q. Yes.

Okay. You then go on in Paragraph 78 to say that they abandoned the contract, and you cite--
A. One second. I have too many.
Q. I'm sorry. Yes.
A. What paragraph?
Q. Paragraph 78. So, this is the fourth of five paragraphs in which you set forth the bases for your Expert Opinion that the reputation of the Omega brand--

PRESIDENT SHORE: Let's just go to
Paragraph 78. We know what the context is.
Paragraph 78. If you have a question, ask it.
MR. HINES: Okay. Yes, Mr. President.
BY MR. HINES:
Q. So, you cite here, for purposes of this proposition, that it abandoned the Contract, a letter cited in Paragraph 119, QE-0097.
A. Yes.
Q. Okay. Let's take a look at that.

You there?
A. Yes.
Q. Okay. So, this is the article that you cite here, and $I$ note that you don't provide a full translation to English, but if we--let's first look at Page 1 of the Spanish, the date of this there is March 8, 2016; correct?
A. Yes.
Q. Okay. Now, let's look at--you can look at it in the Spanish. I'm going rely on what's translated in the English on Page 2 here. And here we can see that the Infrastructure Financing Authority is quoted. This is in the second paragraph. Sorry. The Director of AFI is quoted as saying: "The CPA, not us, makes an evaluation and assumes a position and says if the Company has enough liquidity to continue."

Right?
A. Yes.
Q. And then the article goes on to note that: "The CPA, Armando Suárez, was the consultant who evaluated the financial statements of the companies that competed for the Contract," and that Mr. Suárez
said in his Report: "The proponent (Omega) has adequate liquidity to build any project."

Do you see that?
A. Yes.
Q. Now, I note that the author of the article goes on to criticize that decision below based on his analysis of the financial statements; correct?
A. My recollection is, yes.
Q. Yeah. So, let me ask you, the author of this article is Joel Cintrón Arbasetti; right?
A. Yes.
Q. You don't have any idea whether he has got an accounting background?
A. No. But, I mean, you don't need much of an accounting background to see whether the $\mathrm{P} \& \mathrm{~L}$ reports profits or losses, and I think that's what this journalist was reporting, that the Company had losses.
Q. Right. But in point of fact that the CPA specifically hired to look at the most relevant portions of that document for purposes of the bid concluded that what those financial documents showed demonstrated that the proponent Omega had adequate
liquidity to build any project; correct?
A. Yeah. The CPA made their assessment, and it proved to be a wrong assessment.
Q. Okay.

Okay. And I'd like to look now at some of the stuff you didn't translate here. The first paragraph in Spanish, if you look at--it begins on Page 1 and continues over to Page 2. The end of that first paragraph is describing the criminal allegations against Omega in Panamá; correct? I should say Omega and Mr. Rivera.

PRESIDENT SHORE: I'm sorry, could you help me. I got lost in the paragraph. Remind me where. MR. HINES: Sure. I'm sorry, so this part wasn't translated when they submitted it. It is the first paragraph of the article. It starts at the--the portion I'm referencing starts at the bottom of Page 1 and continues over to Page 2.

PRESIDENT SHORE: I got it. Got it. Okay. Thank you. Sorry. BY MR. HINES:
Q. And you can see--my Spanish isn't great, but

I can tell that they are referencing Mr. Rivera, Omega, the Supreme Court's accusations, Justice Moncada Luna, et cetera.

So, you would agree that here this first paragraph at the end is describing the criminal allegations against Omega and Mr. Rivera in Panamá; correct?
A. It doesn't say Omega. It says--I mean, I can translate from the Spanish, but it is talking about an accusation against Mr. Rivera personally.
Q. Who it describes as the principal and executive of Omega; right?
A. Yes. But it doesn't say that the Supreme Court--
Q. Well, but then if you go to page--

PRESIDENT SHORE: Go ahead and finish, Dr. Flores. It doesn't say--

THE WITNESS: So, in the first page, it says--so, it says there, meaning in Panamá, the Supreme Court accuses him, meaning Oscar Rivera, of having a part of a money-laundering scheme by which the ex-judge, President of the Supreme Court of

Justice of Panamá, Alejandro Moncada Luna, was sentenced to five years in jail. And it said to Omega, there is also an accusation of receiving an advance of to develop a market, a farmer's market that was never built.

BY MR. HINES:
Q. So, you would agree that that last sentence that you just read said that there is an accusation against Omega; right?
A. It seems so, yes.
Q. Okay. Yeah. Right.
A. Yeah.
Q. And if we look down further through this article, there is a picture of Mr. Rivera. But starting on Page 8, you'll see that basically the rest of the article goes on to describe all of these issues in Panamá. This begins on Page 8.
A. So, what's the question?
Q. I'm just asking, do you agree that the rest of that article goes on to discuss at length the issues being faced at that point in Panamá?
A. No, but it started before--it does mention
things in Panamá, but it also discusses all the problems with the linear part--
Q. Which I will come to right now.
A. Yes.
Q. Okay. So, let's look at the first translated paragraph of this article now. You can look at Spanish equivalent, that's fine, but my Spanish isn't good enough. So, I'm going to rely on the English, and you'll see at the very last--starting midway through the second-to-last line of that paragraph, it says that: "The Contract was signed on November 18, 2014, and canceled by AFI on December 1, 2015, allegedly due to lack of liquidity in Omega's accounts."

Correct?
A. Yes. So, you're reading from the first English translated--
Q. Correct. Yes. That's correct.

And if we look at Page 3 of the Spanish document--and this is right next to the picture of Mr. Rivera--you can see that it says that: "After Omega was in charge of construction for 12 month, AFI
sent them a notification to notify them in a formal way that he was incurring serious delays in the execution of the work due to lack of resources and financial capacity and gave him seven days to present a work plan to recover lost days under penalty of canceling the Contract."
A. Yes.
Q. Okay.
A. And then it continues.
Q. Yes, it does continue. And if we look down, you--at the very bottom, it said that--it suggests that the Project was delayed by 260 calendar days.
A. It doesn't suggest. It states that the Project was delayed by 260 calendar days, and that there were several defects, mostly in the area of the terrace overlooking the sea thus shown in the Annex to the Contract.
Q. Fair enough. Fair enough.
A. And it continues. So, that was my point, that it doesn't jump to just focus on what had happened or the criminal investigations in Panamá. It goes at great length to say what were the problems in
the Project in Puerto Rico.
Q. I never suggested it did jump. My point is that this article makes very clear that it's written in the context of the measures, and, in fact, if we do the math, 12 months from when they took over the contract--which was what was referenced there when they received that letter--would have been November 18, 2015; correct?
A. I'm sorry. I lost the math. You said--
Q. Okay. So, we read in this section we just looked at, it starts saying that they received this letter about the delays, et cetera, 12 months after Omega was put in charge of the construction; right?
A. Yes.
Q. And we know from the paragraph we looked at before that the Contract was signed on November 2014; right?
A. Yes.
Q. So, that means that this letter was sent sometime in November 2015; correct?
A. Yes.
Q. And even if we do the math backwards to this

260 calendar days' delay, that only takes us back to sometime in March 2015; correct?
A. Yes, correct.
Q. So, my point is that all of this happens after the Valuation Date and after the Measures.
A. Okay. If what you are telling me is that because of measures in Panamá, then Omega U.S. entered into Contracts that it could not do and that it was doing in--with several defects--I don't know. You cannot blame that on Panamá.
Q. Well, I'll note that--and we looked at some of this verbiage earlier, and you ascribed it to moral damages, that, in fact, Claimants' case is that the Measures in Panamá destroyed Omega U.S.' ability to operate far beyond Panamá.
A. But then the responsible thing to do for any contractor in the world would be to say, I'm sorry, AFI, the Puerto Rican authority, I'm in a very bad situation. I'm not able to do the contract. I respectfully withdraw. To instead keep going and then keep accumulating delays and then keep trying to build it but build in a shoddily way, I don't think that's
the responsible thing to do.
Q. Well, but in point of fact, the article--and I'm looking for it now--describes what happened in the--as characterized by AFI as being an amicable termination, seemingly exactly what you are describing.
A. But it is only after a year. And so, the point is that things were built, they were built poorly, and you can see if you turn at the top of Page 4, it says there were problems in the way that the columns were built. They were not made to specification. The length was not what the blueprints indicated. There were problems with the wall, the installation of tubes for the water supply, the waterproofing, and also like some people need to be corrected in intersection with the street.

PRESIDENT SHORE: I'm going to stop you there, Dr. Flores.

THE WITNESS: Yes.
PRESIDENT SHORE: I think we've got the point on this letter. We don't need to hear you gentlemen, as interesting as it may be in other respects, debate
the contents of this letter.
We have the point on dates from your side, Mr. Hines, and we have the point from your side on what this may or may not have been a consequence of, Dr. Flores.

MR. HINES: Yes. Thank you, Mr. President.
I was actually looking to get back to his Report as you said that.

BY MR. HINES:
Q. So, I want to go on now to the last paragraph in this section, Paragraph 79. Okay.

Do you see that?
A. Yes.
Q. Okay. So, here, you state that there are currently 54 cases on the Puerto Rican judicial database where Omega U.S. is listed as a defendant; right?
A. Yes.
Q. And you go on to say the cases against Omega U.S. include several construction firms and contractors and suppliers and the Salvation Army, a client whose project Claimant counts among its list of
accomplishments; right?
A. Yes.
Q. Okay. So, you were here on Tuesday when

Mr. Rivera explained that in his opinion, quite unfortunately, construction is a very contentious line of work?
A. I recall him saying that.
Q. And he said that most of these were subcontractors, and most of them got settled or thrown out; correct?
A. He said something to that effect.
Q. Okay. I note in your Report that you don't explain any analysis that you did to determine, on average, how frequently a construction company of Omega's size and productivity generally gets sued, do you?
A. Maybe it's not stated, but to us, in analyzing this, it struck us as rather high, especially because the volume of business of Omega U.S. at that time was not that high. So, it is surprising that it would have this level of litigation. I agree that in big construction
projects, there sometimes is some litigation. But, for example, when the Panama Canal was widened, there was a big arbitration relating to that. But there's also construction companies that are able to conduct their day-to-day business pretty much with no litigation. Of course, if someone falls and dies at your work site, probably the estate of the deceased will sue you, but that doesn't happen every day.
Q. Right. But to be clear here, you present no basis of comparison to determine whether the lawsuits that you are presenting here--which span quite a number of years--would be abnormal in the context of similarly situated construction companies, do you?
A. That's true. There is no specific analysis, but to us, we have analyzed other situations, and this seems high to us.
Q. And I note that you don't give any explanation in your Report as to what the nature, background, or disposition of any of those cases were?
A. No. They are publicly available. You could go into them.
Q. Okay.
A. We didn't want to go into that all that much level of detail.
Q. Okay. Let's look at QE-0053, which you submitted. And in the electronic version, if you're looking at it, it's on a page, or a tab, rather, titled "4-Omega U.S. Lawsuits." In the paper version, there's a title on the first page that says
"Supporting Figures, Table 4, Lawsuits involving U.S. and Puerto Rico."
A. Yes.
Q. Okay. So, I would like to look down to the line that you've numbered 43 here.
A. Yes.
Q. Okay. So, that's the Salvation Army lawsuit that you referenced in the paragraph of your Report we just looked at; right?
A. Yes.
Q. Okay. And what's the date next to it that it says it was presented?
A. The 24 th of September 2015.
Q. Okay. So, the 24 th of September 2015, again, would be after the Measures; correct?
A. Yes.
Q. Okay. And I'd like to look at the detailed docket information that you provided, which is in QE--actually, I'm sorry, before we do that, let's just look as a general matter here and note--so, the first date of--the first lawsuit you indicate here dates back to May of 1994; correct?
A. That's correct. The three first lines are from the 1990s.
Q. Okay. And then the last goes to 10th of August 2017; right?
A. Yes.
Q. Okay. So, that's a span of over 20 years; right?
A. Yes. But if you review distribution, most of them happen between the last--latter part of the first decade and the second decade of this century.
Q. Right.
A. If you put between 2005 and 2015, that is most of them.
Q. Okay. And if, in fact, if we look--so, this would, I guess, be--Row 28 is the last one in 2009, so

28 of these, more than half of them, occurred before 2010; right?
A. Yes.
Q. And you would agree with me that Omega Panamá--the Omega Consortium, including Omega U.S., won a number of bids in Panamá after that date, notwithstanding the 28 lawsuits?
A. Yes.
Q. And, in fact, Omega U.S. itself, as we know, at least with respect to the 2014 project, continued winning projects into late 2014; correct?
A. I'm sorry. Say again?
Q. Omega U.S. continued to win projects in Puerto Rico, at least as far as November 2014, based on the article that we just looked at; right?
A. I only have--the only evidence I have of Omega U.S. winning a contract outside of Panamá is this one, the linear work, so I wouldn't say projects.
Q. Okay. Fair enough.
A. I think they only one won, which they abandoned.
Q. Okay. And they won that, notwithstanding the
fact that at that time--if we're looking at 42--42 of the lawsuits you cited were already on the books in Puerto Rico where they were awarded that contract?
A. Yes, the Project that eventually failed.
Q. Okay. And then if we look down further, we can see, from Line 43 down, a dozen of these are lawsuits that took place after the Measures had occurred; correct?
A. Well, but, again, the fact that the litigation starts after the Measures doesn't mean--of course, this would be obvious--that the underlying event that is being sued pertains to after the Measures. For example, the Salvation Army that you say, yeah, the Salvation Army started the process in September 2015, but there was a project that was completed earlier; right?

So, you can have something built, and then four years after it was handed to you, you realize that the foundation is shaking and that the building is about to collapse, and then you start the lawsuit. So, the distinction you're making regarding the time of the filing of a lawsuit, I don't understand why you
relate that to before or after the alleged Measures by Panamá.
Q. Well, I do that, sir, because you cite the existence of these 54 lawsuits as evidence that the reputation of Omega was in trouble long before the Measures?
A. Yes. My main point is--remember what I said this morning. You are someone who wants to enter into bidding for public contracts in Panamá. Do you go at it alone by yourself, or do you buy Omega Panamá?

And if you are--if you want the reputation of Omega U.S., you say--my point is, when you say all these things together, which may be true or may not be true, they may be settled out of court or not settled out of court. But the fact is, it is a baggage. If you were to acquire intangibles of Omega U.S., you're getting the good and you're getting the bad.

And that's my point. I don't think a hypothetical buyer, seeing all of this evidence would take caution about deciding, yes, it's going to be so good if I can go with it with the brand name and with the reputation of Omega U.S. That's my point.
Q. This hypothetical seller, though, would do due diligence; correct? So, it would look into what the nature and disposition of these lawsuits would be?

PRESIDENT SHORE: Hypothetical buyer.
MR. HINES: I'm sorry. Thank you, Mr. President.

PRESIDENT SHORE: It's late in the afternoon.
MR. HINES: It is and you'll be happy to know I'm almost done.

THE WITNESS: The hypothetical buyer would certainly do due diligence, but, again, so if you see all of this--when you deal with third parties, you have to think, every time I deal with someone, I'm going to have explain, yes, you know, my company was sued last year. There was no merit to that, but I had to go fight it in court. Then the bank came and they called my lines of credit. There was no merit to that. I had to redo it. And, yes, in Puerto Rico, I had to abandon the Project, but that's because of this reason.

There is so much baggage that I don't see much economic value to acquiring whatever it is that

Omega U.S. were to contribute to Panamá. Start brand new. At the end of the day, most of this--the only thing you need is financial statements, two or three years of financial statements, bonding capacity, and the specific ability that you are required for that particular contract, and that you can put together in the same way that Omega in Panamá started doing that in 2010-2011. That's my main point.

PRESIDENT SHORE: I'm sorry, Mr. Hines, if I may. But your conclusion there, isn't it, Dr. Flores, based on--you can only make that conclusion based on your review of bid documents?

THE WITNESS: Say again?
PRESIDENT SHORE: That your review of the bidding process--

THE WITNESS: Yes.
PRESIDENT SHORE: --to say that all you need is financial statements here.

THE WITNESS: Yes. Of course, yes.
PRESIDENT SHORE: It's your review of the bidding process--

THE WITNESS: The bidding materials are in
the record. They are attached to our--
PRESIDENT SHORE: Right.
THE WITNESS: --I don't recall the exhibit numbers. We can give them to you later. And you can see what, and in fact, usually every bidding, at the end of the day, comes to 100 points; right? And the 100 points are all allocated by different categories, and then you have--the category will have--do you have the right personnel? 15 points. Do you have the bonding? 10 points. Financial statements, and so on; right?

So, that is always--and that's--we have those in the record, and you can see what is--what was required and not required. And my point is, the things that Omega U.S. could bring in order to win those bids is not that much.

PRESIDENT SHORE: I understand.
THE WITNESS: Yeah.
PRESIDENT SHORE: I understand that, but--I mean, it does rely on your assessment of how the bidding points are awarded. THE WITNESS: Yes.

PRESIDENT SHORE: And you're saying, essentially, it's a very clear-cut lack of discretion point whereby reputation in the industry or experience in completing a project successfully with few change orders, little delay, wouldn't necessarily matter.

But are you confident in making that--in reaching that Opinion--

THE WITNESS: Yes.
PRESIDENT SHORE: --based on your review of the bidding document?

THE WITNESS: Yes. Yes. So, if you look at the eight--the bidding those years, for the eight Contracts that the Omega Panamá won, with Omega U.S. and with the third Parties and so on, you can see that--I mean, they all require--for example--I have one in mind--the airport one, the Tocumen

Airport; right?--it said the bidding permit says 15 points for having completed similar airport construction projects. And Omega Panamá provided that and it got 15 points. Right?

But it doesn't like a long history of like, you're the best constructor company, look at my
coliseum. For example, having built a coliseum in Puerto Rico, poorly or excellently, does not even appear in the bidding punctuation, the bidding discourse for these contracts that we won. And those are in the record. You can look at them.

PRESIDENT SHORE: Did you speak to anyone, for example, as part of your research who actually does make those Decisions?

THE WITNESS: I met--
PRESIDENT SHORE: In Panamá.
THE WITNESS: Yes. Yes. When I was in Panamá, I met with the people that ran PanamaCompra, because I wanted to understand how this bidding platform works, and what they told me is that there is no--there is no, like, historical record, because otherwise if you want to--if you were to give always--so, let me give you an example.

If you give more points to someone that has bid already three times that person is going to win. And in the next contract they say, well, that person has won four times. So, would tend to create kind of almost like a dependency and transpiring bidding
platforms, and that's where--the World Bank recommends that.

You don't want to create systems that would create a--I think it is called "endogamic," that you always have the same people winning, the same people winning, so you want to create mechanisms that would allow for competition. And, of course, you need to know that the person will be able to build the project; right? And that's why you ask, well, can you show me that you or your partners have built three construction projects in the network?

But if you ask, "I want someone who has worked with the Government of Panamá 25 times," that will--there is only going to be one guy that's going to fulfill that requirement, and that always exclude the competition. So, that's why the bidding parameters want to incentivate competition.

PRESIDENT SHORE: No, no. I get the competition point, I guess, but in your Reports, I don't recall seeing you explain this conversation that you had with the--

THE WITNESS: Yes, it's true. I did not. I
mean, I think we refer in a paragraph about the whole PanamaCompra works, how the platform works.

PRESIDENT SHORE: Okay, but you appreciate that counsel can't really cross-examine on it if it's not in your Reports.

THE WITNESS: That is correct, yes. PRESIDENT SHORE: Okay.

ARBITRATOR DOUGLAS: Just to continue on that, it is also assuming that this is a very mechanical exercise and is entirely objective? I mean, surely when the people actually sit around the table and award points, there's a level of subjectivity that creeps in there and household names, construction names, maybe, feature in their considerations as opposed to a complete unknown entity they had never heard before. So, one would have to get inside how these processes actually work.

THE WITNESS: I mean, most of the bidding results--is usually the bidding result is not so-and-so won; right. That's a memo, and I think we have them in the--I mean, I think they are in the record somewhere. I can look for them. That explains
the Decision process followed, and it says for these things they were up to 15 points. We gave only 12 points, because A, B, and C. And they explain their reasons why.

For example, sometimes--and we discussed that in the Report extensively that, for example, for the financial capacity, you have to submit it in a certain form, and there was a bidder that didn't use the right form. He provided the financial statements, but without the exact form that was needed. And then he got points discounted.

So, there is some--of course, there is always subjectivity when you award the points, but the rationale for the arriving at the final points has to be disclosed and explained, and we have that as part of these bidding results.

PRESIDENT SHORE: It's like grading, though, a lot of it is post hoc, isn't it?

I mean, you know, you have 50 grades in a class and, yeah, you can always justify how you've given the points, especially when you need to justify it, but that doesn't mean that a lot of subjectivity
and discretion wouldn't have gone into the actual award of the points, and you would have expected in the--in an infrastructure context where the Government is on the hook for how the country is going to look, that it will be swayed by certain reputational and factors of experience; is that fair?

THE WITNESS: Yes. It is a very fair point. And that's why in Slide 7, and in my Report, I mention that to the extent that someone in a decision-making power at the Ministry or the municipality or so on, would be concerned about making sure to choosing a brand name that will make--get it done without defects, on time, on budget. Look at the competitors they are talking about: SES, ACCIONA, FCC, Sacyr. All of those are the Spanish companies, Spain, all of this time of--from Spain--
(Overlapping speakers.)
PRESIDENT SHORE: Yeah.
A. But they are big companies. They have been around for decades, and they have landed heavily in Latin America. And if, to the extent that the Government official in Panamá who says, I want--within
the budget, I'm going to give a little bit more points to whoever does it, I think it is going to do the best. I think these brand names would carry much more weight than Omega Panamá or Omega U.S.

MR. HINES: So, Dr. Flores--
PRESIDENT SHORE: Back to you, Mr. Hines.
MR. HINES: Thank you, Mr. President.
BY MR. HINES:
Q. Dr. Flores, just to close out this discussion of the lawsuits here, I note that you also don't tell the Tribunal that the majority of the lawsuits that you cite here were either withdrawn, dismissed, desisted or revoked, do you? All you note is that at some point someone filed a lawsuit.
A. Yes.
Q. Okay.

MR. HINES: Okay. No further questions.
PRESIDENT SHORE: Thank you, Mr. Hines. Mr. Ryan.

MR. RYAN: Mr. President, I have no questions for Dr. Flores, but Dr. Flores was referencing the bid documents being in the record, and just for the

PRESIDENT SHORE: Sure.
MR. HINES: --I would note that they are cited at the Second Quadrant Economics Report, Footnote 31.

PRESIDENT SHORE: Hang on, Dr. Flores. I
think we have a few more.
QUESTIONS FROM THE TRIBUNAL
ARBITRATOR DOUGLAS: I just have one question about something you weren't asked, actually, about the existing Contracts.

THE WITNESS: Yes.

ARBITRATOR DOUGLAS: And I just--because it's a point that is challenging my comprehension slightly. I didn't say completely. I said slightly, but still. And that is, if $I$ can find the slide on the Compass Lexecon. Right. It is Slide 15, if you have Compass Lexecon's.

THE WITNESS: No, this is--I'm sorry, you said the slide?

ARBITRATOR DOUGLAS: Slide 15.
THE WITNESS: Yes.

ARBITRATOR DOUGLAS: And this sets out the differences between you on two levels. I don't want to go into the change orders, because I do think that is more of a legal/factual issue, but the economic issue which is listed here that creates a difference, I heard the explanation provided this morning. And I just wonder if I could have your response to it in terms of why financial costs are considered consistently or inconsistently in this respect?

THE WITNESS: So, the main source of difference, which is about , out of this

ARBITRATOR DOUGLAS: Is discounting the money that was paid on account.

THE WITNESS: Exactly.
ARBITRATOR DOUGLAS: Yeah.
THE WITNESS: And that's--it's for you to decide, but from my perspective, and from my colleague, Mr. McCann's perspective, it is pretty clear. This is money that was given to Omega Panamá. And Omega Panamá, of course, the intended use was to use it to build and complete the Projects; right?--but
was the money that was--you had it. It was yours. So, if you had in your checking accounts $X$ million dollars, and the value that--so, I look, I see in the checking account, X million dollars. To me, the value is X million dollars. Compass Lexecon says, no, I have $X$ million dollars in the checking account, but I'm going to assume that I don't have that money. I will be given that money a year or two years from now and I am discounting it from two years from now to the present.

That different treatment creates


ARBITRATOR DOUGLAS: I guess if it was somehow in an escrow and could be released with the permission of--
(Overlapping speakers.)
THE WITNESS: But the point is that it was not.

ARBITRATOR DOUGLAS: I said, if the money was somehow in escrow and its use was restricted by--until consent was given by an agency or something, that might--
(Overlapping speakers.)
THE WITNESS: Exactly. But the point is that it was not. It was in the checking account of Omega Panamá.

ARBITRATOR DOUGLAS: What about the remaining $\square ?$

THE WITNESS: The remaining
 has to do with the amounts--so, there is about
 of work--of profit resulting from work to be completed in the future, in the next 2.5 years or so, because the Project was halfway through, right.

And the way it works is it would have a revenue line that would come from payments from the different Municipalities and Ministries, and then Omega would have to pay its costs--workers, cranes, all of that--and then you would have a profit. And then so there would be profit in the future over the next two years or so. We need to discount it back to the Valuation Date.

And then the difference here is simply do you use a Discount Rate of closer to 10 percent as Compass Lexecon says or closer to 20 percent as we say.

That's the difference.
ARBITRATOR DOUGLAS: I see.

THE WITNESS: Because, remember, a big point--it is not that money was--that was not money in the bank, right, because it would be money coming, but what if you had to complete the Project and you realize, "Oh, my God"--I don't know, "the foundation--it's rained a lot, the foundation is weak, I need to put 10 tons more cement," and that has extra cost. That--you may have to bear the cost. So, there's business risk there, so that--we think that the proper Discount Rate would be 20 percent. So, that's the second one.

And the third one is for the amounts that were owed outstanding. If you considered those amounts outstanding--there is no dispute about what the outstanding amount is. The issue is how do you bring those from the payment date in which they should have been paid through the date of the Award. We say U.S. Treasury bills and they say, no, Cost of Equity or something like 12 percent.

So, these are the three differences.

PRESIDENT SHORE: Counsel, anything arising from the Tribunal questions? Mr. Hines?

MR. HINES: No.
PRESIDENT SHORE: Mr. Ryan?
MR. RYAN: No, sir.
PRESIDENT SHORE: Dr. Flores, thank you very
much for your appearance and your testimony today.
THE WITNESS: Thank you.
(Witness steps down.)
PRESIDENT SHORE: So, thank you, Counsel, for getting us in a timely basis to the end of Week 1.

There are a couple of points that the
Tribunal wants to raise with you, and then, by all means, take five minutes to confer if there is anything you need to raise with us at this stage.

One point is the timing for your preparation of documents that go public, the redaction issue. One question is when you want to do that. Do you want to do that before Week 2 or do you want to take the more sensible approach and do it after Week 2?

You don't have to tell us now, but you should discuss that with each other on how that would work.

MR. WEISBURG: We probably have a shared view.

MS. GORSLINE: I think so, too. Go ahead. MR. WEISBURG: After Week 2.

MS. GORSLINE: Absolutely.
PRESIDENT SHORE: After Week 2.
(Comments off microphone.)
MR. WEISBURG: I think the Tribunal Chair was suggesting that.

PRESIDENT SHORE: You know, I'm happy I don't have to reach that decision.

The second issue, and Ms. Kettlewell will help me if $I$ get this wrong, but my understanding is that the streaming room is not available. So, there's no delay that would potentially be available in Week 2.

Now, what this means is that, if the matter is to be publicly available, it's got to be publicly available. There is no delay. And, therefore, you would be subject to a lot of the constraints and disruption on material if you're going to have it publicly. We can't have any delay.

So, the question is whether you want the hearing--with the possible exception of the United States, which I'm not sure would even want to attend in Week 2. Of course, they are interested in legal arguments solely--whether you want to have anything open to the public on Week 2 or whether, similarly to now, would you make, after you've had a chance to review, you would make the audio or the Transcript, all the documents publicly available. Again, after you've had a chance to review. Because otherwise, without the streaming room, people are here.

SECRETARY KETTLEWELL: Internet.
PRESIDENT SHORE: Internet. Yeah. The people are live. There is no delay I guess is what I want to say.

MS. GORSLINE: I mean, on behalf of Claimants, my sense is that it would be very difficult to conduct an efficient and orderly hearing, given the protected information and the procedures--I suppose I should question how it would work. Would we have to clear the room whenever protected information was about to be raised?

SECRETARY KETTLEWELL: No. So, what the President is proposing or what he is explaining is that it would work normally. The session would be closed at the moment that the Parties would address any confidential information. It is not that people are going to be here attending at the Hearing. It will be--the option is to have it streamed online, which would mean that there would not be a possibility of whether confidential information is exposed at some point without closing the session, that we would be able to go back and cut that part, which was basically the purpose of the delay of one hour.

MS. GORSLINE: So, as I understand it, any protected information accidently disclosed would immediately become public? There would be no calling it back?

PRESIDENT SHORE: Correct. Maybe you want to think about that, and then the best thing to do is to get in touch with Ms. Kettlewell about that. Because I think it is only--you want to give that some consideration about if you're going to leave things live on the Internet.

MR. WEISBURG: I would just suggest that Claimants should think about it--we both think about it, but they should tell us what their position is--report to us what their position is going to be, and then we think about it for 10 minutes further and then we can report to Ms. Kettlewell.

PRESIDENT SHORE: That's something I wouldn't want to direct Claimants to do.

MR. WEISBURG: Understood.
PRESIDENT SHORE: It's a suggestion that Ms. Gorsline is free to consider or not.

MR. WEISBURG: Sure. Okay.
PRESIDENT SHORE: And, certainly, you can talk to each other, and we can take a short break.

Again, you don't need to decide it today, but it may be best if you are both together to do it.

MR. WEISBURG: Okay.
PRESIDENT SHORE: Okay. Now, we have, again, a very helpful schedule from counsel on what would happen, what will happen in Week 2. We know that there is the issue of, as far as I'm aware, just former President Varela, about fitting him into the
schedule in the event that he's appearing in Week 2, and I wonder if you have any further information about this that you can share at this time on his appearance in Week 2.

MR. RYAN: Mr. President, at this time, we continue to expect that President Varela will testify, and as we've talked with Claimants' counsel about, subject to a conversation with him about ordering, we would expect that he would go first, he would be the first Fact Witness called, with Mr. Zarak to follow.

PRESIDENT SHORE: I'm sorry, say the last part again. He would be--

MR. RYAN: --the first Witness to be called on the first day of the second week of the Hearing, with Mr. Zarak to follow immediately after.

PRESIDENT SHORE: I see.
MR. WEISBURG: Can I direct a question to counsel? Perhaps it didn't go to the Tribunal. Didn't you do an alternative schedule?

MS. GORSLINE: I did. I sent it to you, and I understand that we were all preparing for hearing, but I have not received a response. So, that's why it
hasn't gone to the Tribunal.
MR. WEISBURG: I thought we did respond. I have to look. Let me look at it again. I thought it was fine. I mean--

PRESIDENT SHORE: Take a look and come back to us. Again, that needn't be told to us today, but it would be useful to know because--I mean, you've, on both sides, been extremely efficient, and if you are slotting the Witness in then and I see that we have closing--I mean, we have a closing time at 3:15 on Wednesday the 1st, as the Tribunal promised you, we are holding the $2 n d$ in reserve because we appreciate things could change in the interim. But see what you can do on an alternative schedule based on his appearance.

MR. WEISBURG: Yeah, I think we'll look at it. I thought the alternative just added one or two hours to that Wednesday and otherwise was the same.

PRESIDENT SHORE: All right. That would be--okay. We would be interested in knowing that because based on what you did for first week, that one
or two hours looks on the low side. And I don't want anyone to have to commit right now on how much they would want to take on cross.

So, that's not something that you should commit to now, I would suggest, and--so, we do have flexibility. We do have that reserve day. But look at the schedule for Week 2.

MS. GORSLINE: If I may, Mr. President.
PRESIDENT SHORE: Yes.
MS. GORSLINE: The revised schedule that Claimants had put together, we had reserved three hours for President Varela.

PRESIDENT SHORE: Right.
MS. GORSLINE: And so, there is three additional hours in the afternoon on the 1st, so what we had proposed is, you know, if we stay a little bit later than we have been staying during this hearing session each night, that would allow us to make up the time and still only sit for the three scheduled days. But I don't know what the Tribunal's preference would be, if it would prefer not to sit slightly later each night and rather to go into the morning of the fourth
day.
PRESIDENT SHORE: Let's see the schedule that you both might be comfortable with as an alternative. We should take a couple of minutes' break to see if you--there are any points you want to raise or anything, you can talk to each other, wish to talk to each other about first, but is there something right now that you wanted to raise? Ms. Gorsline?

MS. GORSLINE: No, Mr. President.
PRESIDENT SHORE: Mr. Weisburg?
MR. WEISBURG: Sir, we think this has gone very well, and we expect the next week to go very well as well in terms of organization.

PRESIDENT SHORE: We are grateful to Counsel and to the Witnesses and, most of all, to the Court Reporters and Interpreters, but let's give you three minutes to see if there is anything while we're all in the room that you wish to raise. Otherwise, we can adjourn for the day and say that we've adjourned for the first week. But, take a couple of minutes to confer with your colleagues.

Back in, let's say, give it eight minutes.
(Brief recess.)
PRESIDENT SHORE: Back on the record.
So the Tribunal just wants to confirm that counsel will confer with each other, but we will plan to have April 2--some portion of examination on April 2 so that the first three days of Week 2 do not go into the early evening in any burdensome way. So, we will await word from counsel, both on a revised schedule and a schedule that shows some part of time on April 2.

The Tribunal at this time doesn't have anything more to raise with the Parties.

Ms. Gorsline, for Claimants, anything at this
time?
MS. GORSLINE: No, Mr. President.
PRESIDENT SHORE: Mr. Weisburg.
MR. WEISBURG: No, sir. No, we have nothing further, and we just want to let you know how much we appreciate the attention we've gotten from the Tribunal.

MS. GORSLINE: Yes.
PRESIDENT SHORE: Thank you.

MS. GORSLINE: Claimants would like to reiterate that, sir.

PRESIDENT SHORE: Counsel on both sides, we are very grateful. I know I speak on behalf of the professors, Professor Naón and Professor Douglas, and Ms. Kettlewell, and we look forward to seeing you on the 30th of March, and, of course, we know we'll be in communication before then. Counsel do need to address the issue that we discussed before on open or a closed hearing on the second week, and I understand that counsel have decided, at least to wait past the second week for the redactions in relation to this week's testimony.

With that, unless anyone has anything else, thank you all. For those who live outside D.C., have a safe trip. And the first week in our Final Hearing is concluded. Thank you.
(Whereupon, at 4:55 p.m., the Hearing was concluded until 9:00 a.m. on March 30, 2020.)

## CERTIFICATE OF REPORTER

I, Dawn K. Larson, RDR-CRR, Court Reporter, do hereby certify that the foregoing proceedings were stenographically recorded by me and thereafter reduced to typewritten form by computer-assisted transcription under my direction and supervision; and that the foregoing transcript is a true and accurate record of the proceedings.

I further certify that I am neither counsel for, related to, nor employed by any of the parties to this action in this proceeding, nor financially or otherwise interested in the outcome of this litigation.


