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U.S. COMMODITY FUTURES TRADING COMMISSION (CFTC)

MARKET RISK ADVISORY COMMITTEE (MRAC)

Tuesday, April 9, 2024
9:30 a.m.

U.S. Commodity Futures Trading Commission
Three Lafayette Centre
1155 21st Street, N.W.
Washington, D.C. 20581

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ATTENDEES

MRAC Members

- Robert Allen, FMX Futures Exchange, L.P.
- Stephen Berger, Citadel, LLC
- Richard Berner, NYU
- Biswarup Chatterjee, Citigroup
- Alessandro Cocco, Department of the Treasury
- Tim Cuddihy, Depository Trust and Clearing Corporation
- Alicia Crighton, Futures Industry Association
- Graham Harper, FIA Principal Traders Group
- Lindsay Hopkins, Minneapolis Grain Exchange
- Annette Hunter, Federal Home Loan Banks
- Demetri Karousos, Nodal Exchange, LLC
- Eileen Kiely, BlackRock
- Elisabeth Kirby, Tradeweb Markets
- Derek Kleinbauer, Bloomberg SEF LLC
- Ernie Kohnke, Commodity Markets Council
- Chip Lowry, Foreign Exchange Professionals Association
- Purvi Maniar, FalconX
- Craig Messenger, Virtu Financial
- Andrew Park, Americans for Financial Reform
- Jessica Renier, Institute of International Finance

1 ATTENDEES (continued)

2 MRAC Members (continued)

3 Marnie Rosenberg, JPMorgan Chase & Co.

4 Tyson Slocum, Public Citizen

5 Kristin Smith, Blockchain

6 Suzanne Sprague, CME Group

7

8 Speakers in Attendance

9 Jessica Garcia, Americans for Financial Reform
10 Education Fund

11 Gary Kalbaugh, Deputy General Counsel and Director, ING
12 Financial Holdings

13 Elizabeth King, Intercontinental Exchange, Inc.

14 Dale Lewis, Chief Executive Officer, Community Markets
15 for Conservation

16 Ashwini Panse, Head of Risk Oversight for ICE Clear

17 Netherlands, and Chief Risk Officer for the North

18 American Clearinghouses, Intercontinental Exchange

19 Holly Pearen, Lead Counsel, Environmental Defense Fund

20 Gary Rowcliffe, Co-CEO and Chief Commercial Officer,

21 OSTTRA

22 Paolo Saguato, George Mason University

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Speakers in Attendance (continued)

Nathaniel Wuerffel, Head of Market Structure, Bank of
New York Mellon

CFTC Commissioners and Staff in Attendance

Kristin Johnson, CFTC Commissioner
Tamika Bent, Chief Counsel to Commissioner Johnson
Peter Janowski, CFTC Division of Enforcement,
MRAC Alternate Designated Federal Officer

Additional Attendees

Cantrell Dumas, Better Markets
Jennifer Han, Managed Funds Association
Jai Massari, Lightspark

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P R O C E E D I N G S

WELCOME AND OPENING REMARKS

MR. JANOWSKI: Good morning. As the Market Risk Advisory Committee Alternate Designated Federal Officer it is my pleasure to call this meeting to order. Before we begin this morning's discussion I would like to turn to Commissioner Johnson for Opening Remarks. We will then hear a recorded message from Commissioner Mersinger. Commissioner Johnson?

COMMISSIONER JOHNSON: Good morning.

Welcome, everyone. I'm honored to welcome you to the first MRAC meeting of 2024. At this meeting, the MRAC will introduce formal recommendations reports and present insightful guidance to improve the integrity and stability of our markets.

Today we continue the long tradition of this committee's engagement with the Commission, its valuable insight into the concerns that shape the stability and integrity of global derivatives markets, and its collaboration toward developing ways that the industry and Commission can prepare for and mitigate the most critical risks facing our markets today.

1 The work of this committee influences
2 industry standards and best practices and provides
3 thought leadership on many of the most important issues
4 that will impact citizens and businesses in every
5 corner of the world, by shaping the direction of the
6 development of markets.

7 Today we will begin by hearing from the CCP
8 Risk and Governance Subcommittee, co-chaired by
9 Alessandro Cocco, Vice President in the Financial
10 Markets Group at the Federal Reserve Bank of Chicago,
11 on detail as Senior Policy Advisor to the Department of
12 the Treasury, and Alicia Crighton, Chair of the Futures
13 Industry Association Board of Directors. We will hear
14 not only the presentation and report but also
15 recommendations on behalf of the recovery and
16 resolution workstream.

17 As the report notes, CCPs are fundamental
18 market structures in derivatives markets and have
19 gained further prominence in the wake of the 2008
20 financial crisis. The G20 nations have committed to
21 standardizing OTC derivatives, where appropriate, and
22 clearing them through CCPs, and by 2012 had effectively

1 adopted policy and legislation to achieve the same. In
2 fact, in 2010, the Dodd-Frank Act reformed the
3 legislative framework for U.S. CCPs. Title VII of the
4 Dodd-Frank Act sets forth core principles for DCOs.
5 Through this regulation and legislation, we have
6 ensured, or at least increased, the stability and
7 integrity of our derivatives markets.

8 In addition to domestic reforms adopted under
9 the Dodd-Frank Act since 2010, international standard-
10 setting bodies have been very active in adopting
11 principles, guidance, and standards to support and
12 inform national policymakers in the regulation of CCPs.

13 I could walk you through the history of IOSCO
14 or FSB's recommendations or, in 2012, the CPMI-IOSCO
15 publication regarding principles for financial market
16 infrastructure, but all of this will be carefully
17 detailed in the presentation and report that Alessandro
18 will present.

19 I just share with you at the outset of the
20 meeting that the report includes a number of important
21 recommendations. If these should be adopted by the
22 MRAC and then shared with the Commission we hope that

1 they will inform the current pending final rule on DCO
2 resilience, recovery, and orderly wind-down. The
3 recommendations include implementation of supervisory
4 stress tests, inviting the Commission staff to adopt
5 and implement supervisory stress testing of credit and
6 liquidity risks for all DCOs. We invite the Commission
7 staff to consider the adoption and implementation of
8 operational and other non-default risk stress testing,
9 leveraging industry exercises, covering these risks
10 where appropriate.

11 We are also thoughtful that the results of
12 the supervisory stress tests should be made available
13 to the public. This is a conversation that we will
14 continue to have as we develop these proposals and
15 recommendations.

16 We are thoughtful, in a second instance,
17 about the need for recovery scenarios and analyses. In
18 the final rule, the text of CFTC Regulation 39.39(c)(2)
19 could be amended to require DCOs to conduct scenario
20 analysis that includes extreme but plausible scenarios.
21 This discussion has been rigorously explored by the
22 subcommittee workstream and we are thoughtful about

1 hearing from MRAC members today regarding their
2 thoughts and concerns related to this suggestion.

3 Third, we are thoughtful about non-default
4 losses, a topic that is familiar to many of you with
5 respect to CITCO's or Subpart C DCOs.

6 Finally, there is thoughtfulness around the
7 provision of data for resolution planning and the
8 porting of customer positions. With respect to this
9 final recommendation, the thought is potentially that
10 the CFTC could lead in developing an interagency task
11 force that would include the National Futures
12 Association, to discuss and address impediments to
13 porting of customer positions and collateral in the
14 context of a DCO in resolution.

15 Next we will hear from the Future of Finance
16 Subcommittee. Over the course of the last several
17 years I have demonstrated an unwavering commitment to
18 researching and understanding the potential for
19 responsible AI or the adoption of emerging new
20 technologies that may facilitate greater integrity and
21 stability in our markets. More than five years ago I
22 began to convene and participate in convenings of AI

1 developers, adopters, academics, government industry
2 researchers, regulators, and public interest
3 organizations. In 2020, I agreed to co-author two
4 books in the law school space, one which deals with the
5 ethical implications of AI across diverse sectors of
6 our society, the other focuses more directly on
7 financial markets. In the last few weeks I have
8 traveled to Tokyo, Japan, South Africa, and Zambia, and
9 offered, in New York City -- a different kind of jungle
10 -- remarks on AI and the extent to work the adoption of
11 AI in our markets could lead to important and
12 significant changes in how our markets operate and the
13 need to identify best practices for integrating AI in
14 our markets.

15 Among the many suggestions I have made, I
16 would note the following commonalities in my thinking
17 and the thinking of not only the Commission in its
18 request for comment recently issued but also in the
19 efforts undertaken by the FSB, FINRA, and IOSCO in
20 articulating general principles that should guide our
21 thinking about the integration of AI in our markets.

22 First, I think there has to be a focus on

1 governance in AI models. FSOC, in a recent report,
2 recommends monitoring the rapid development of AI,
3 including generative AI, to ensure that oversight
4 structures keep up with or stay ahead of emerging risks
5 to the financial system while facilitating efficiency
6 and innovation.

7 I think a second thought is promoting
8 explainability of AI models, something that has been
9 curiously and carefully explored by FSOC, IOSCO, FSB,
10 and FINRA in each of their efforts to address the
11 importance of the explainability challenge.

12 There is also a need for careful data
13 controls. Data quality, security, and privacy and
14 central concerns for regulators and market
15 participants, as market participants adopt AI models.

16 In addition, there is a need to think
17 carefully about the challenge of bias in the adoption
18 of AI models. In 2019, I testified before Congress and
19 voiced my concerns that in some contexts AI models may
20 be trained on incomplete or inaccurate data.

21 Finally, there is a need for testing and
22 monitoring of output. This thought, with respect to

1 AI, has also been echoed by FSOC, IOSCO, FSB, and
2 FINRA.

3 I note that the subcommittee today would like
4 to present early stages reflections on the possibility
5 of a workplan. It is an outline of ideas that they are
6 soliciting feedback from MRAC members and hoping that
7 broader stakeholders in our community will contribute
8 to informing the direction of the workplan and the
9 development of the suggestions and ideas therein.
10 Immediately they are thoughtful about the need to have
11 greater visibility into CFTC-regulated markets' use of
12 AI. They are thoughtful about the need for new
13 guidance, advisories, and rulemaking in the context of
14 the option of AI, and they have outlined a framework
15 for this, framing the risks of AI models, robust
16 monitoring and testing of AI models, and oversight and
17 governance of AI models. I applaud their efforts and
18 am hopeful that today's discussion will prove fruitful
19 and offer good guidance as they move forward.

20 The Market Structure Subcommittee will offer
21 feedback on, one, significant point of analysis, and
22 two, workstream reports. The significant point of

1 analysis grows from the FCM and capacity workstream
2 that has been presented at several of the earlier MRAC
3 meetings. We know that FCMs are critical
4 intermediaries in cleared markets, and this workstream
5 analyzes publicly available data regarding the
6 increasing decline in the total number of FCMs
7 available in markets as well as the increased demand
8 for FCM services.

9 Next we will hear from the Treasury
10 workstream reflections on the U.S. Treasury cash-
11 futures basis trade and risk management considerations.
12 The presentation will be delivered by Nate Wuerffel,
13 Head of Market Structure at Bank of New York Mellon.

14 We will finally hear from Bis Chatterjee on
15 two workstreams, the post-trade risk reduction and
16 block size workstreams.

17 And as a last presentation today, we will
18 hear from several presenters on issues related to
19 climate-related market risk. In December of last year,
20 the CFTC issued proposed guidance regarding the listing
21 of voluntary carbon credit derivatives contracts and
22 issued a request for comment. As the Commission

1 continues to consider and explore its actions in this
2 space or potential interventions, we are thoughtful
3 about the extent to which several topics might be
4 explored, in market integrity, disclosure transparency
5 and enforcement, market design and intermediation,
6 product design and reliability. We will hear from
7 Holly Pearsen of the Environmental Defense Fund. We
8 will also hear from Jessica Garcia of AFR, and finally
9 we will hear from Dale Lewis of COMACO, the Community
10 Markets for Conservation in Zambia, probably the person
11 joining us from the farthest away in the world today.

12 I would like to conclude my opening remarks
13 just by thanking everyone who has already rolled up
14 their sleeves and began to chart a course of
15 development and completion for the important work that
16 the MRAC subcommittees will begin and continue to
17 explore this year. Allow me to thank our MRAC Chair
18 and Chair of the FIA Board, Alicia Crighton, for her
19 indefatigable support of MRAC and also for her ever so
20 eloquent and diplomatic interventions, when necessary.

21 I am grateful for the MRAC Designated Federal
22 Officer, Tamika Bent, who is Chief Council in my

1 office, and alternate DFO, Peter Janowski, who is Trial
2 Counsel in the Division of Enforcement. I also want to
3 thank Rebecca Lewis Tierney and Julia Welch, who are
4 both also in my office and here at the table, serving
5 as ADFOs for two of the subcommittees.

6 Let me finally thank the logistics and
7 administrative staff. I would like to describe in more
8 detail in my closing remarks how grateful I am to each
9 of them. But thank you Altonia Downing, Monae Mills,
10 Andy Brighton, Keane McBride, Venise Raphael-Constant,
11 Margie Yates, Jean Cespedes, Pete Santos, and Ty Poole.

12 Thank you so much for joining us today. I
13 look forward to a robust and informative discussion.

14 MR. JANOWSKI: Thank you, Commissioner
15 Johnson. Before starting our discussion there are just
16 a few logistical items that I have been asked to
17 mention to the committee members.

18 Please make sure your microphone is on when
19 you speak. This meeting is being simultaneously
20 webcast, and it is important that your microphone is on
21 so that the webcast audience can hear you.

22 If you would like to be recognized during the

1 discussion please change the position of your placecard
2 so that it sits vertically on the table, or raise your
3 hand and Chair Crighton will recognize you and give you
4 the floor.

5 If you are participating virtually and would
6 like to be recognized during the discussion for a
7 question or comment, or need technical assistance,
8 please message me within the Zoom Chat. I will alert
9 Chair Crighton that you would like to speak. Please
10 identify yourself before you begin speaking and signal
11 when you are done speaking. Please speak directly into
12 the microphone for optimal audio quality on the
13 webcast. Please unmute your Zoom video before you
14 speak, and mute after you speak. Please only turn on
15 your camera when you are engaging in discussion.

16 If you are disconnected from Zoom please
17 close your browser and enter Zoom again using the link
18 provided previously for today's meeting.

19 We ask that speakers keep as close as
20 possible to the time allocated in the agenda. We will
21 hold up a one-minute timecard to indicate that one
22 minute remains to finalize your remarks. For virtual

1 speakers we will send a direct message using the chat
2 function as a reminder.

3 Before we begin we would like to do a roll
4 call of the members participating virtually so that we
5 have your attendance on the record. After I say your
6 name please indicate that you are present and then mute
7 your line.

8 James Andrews?

9 MR. ANDREWS: Present.

10 MR. JANOWSKI: Richard Berner?

11 MR. BERNER: Here.

12 MR. JANOWSKI: Alessandro Cocco?

13 MR. COCCO: Present.

14 MR. JANOWSKI: Neil Constable?

15 MR. CONSTABLE: Present.

16 MR. JANOWSKI: Edward Dasso?

17 MR. DASSO: Present.

18 MR. JANOWSKI: David Horner?

19 MR. HORNER: Present.

20 MR. JANOWSKI: Eileen Kiely?

21 [No response.]

22 MR. JANOWSKI: Derek Kleinbauer?

1 MR. KLEINBAUER: Present.

2 MR. JANOWSKI: Murvi Maniar?

3 MS. MANIAR: Present.

4 MR. JANOWSKI: Craig Messinger?

5 MR. MESSINGER: Present.

6 MR. JANOWSKI: Andrew Nash?

7 MR. NASH: Present.

8 MR. JANOWSKI: Jessica Renier?

9 MS. RENIER: Present.

10 MR. JANOWSKI: Tyson Slocum?

11 MR. SLOCUM: Present.

12 MR. JANOWSKI: Kristin Smith?

13 MS. SMITH: Present.

14 MS. JOHNSON: Suzanne Sprague?

15 MS. SPRAGUE: Present.

16 MR. JANOWSKI: Thank you all. We will now
17 hear from Chair Crighton.

18 CHAIR CRIGHTON: Thank you. Good morning,
19 everyone. Nice to see you.

20 Today, as Commissioner Johnson indicated, we
21 will engage in discussions involving CCP risk and
22 governance, artificial intelligence in finance, market

1 structure developments, climate-related market risks,
2 as well as a host of discussions of issues surrounding
3 the introduction of several emerging technologies and
4 the development of the carbon credit market.

5 Our first presentation today comes from the
6 recovery and resolution workstream of the CCP Risk and
7 Governance Subcommittee. Alessandro Cocco, the
8 workstream lead and Vice President in the Financial
9 Markets Groups at the Federal Reserve Bank of Chicago,
10 on detail at the U.S. Department of Treasury, will
11 first present recommendations from the workstream on
12 the Commission's proposed rules on derivatives clearing
13 organizations' recovery and resolution.

14 We will then turn to comments from three
15 panelists: Elizabeth King, Global Head of Clearing and
16 Chief Regulatory Officer, Intercontinental Exchange;
17 Paolo Saguato, Associate Professor of Law, Antonin
18 Scalia Law School, George Mason University; and
19 Cantrell Dumas, Director of Derivatives Policy, Better
20 Markets. Following these remarks we will have open
21 discussion from MRAC members.

22 Alessandro, I will hand it over to you.

1 SECTION ONE: CCP RISK AND GOVERNANCE SUBCOMMITTEE

2 MR. COCCO: Commissioner Johnson, Chair
3 Crighton, and staff, many thanks for inviting me to
4 speak today. My name is Alessandro Cocco, and I
5 coordinate the work of the CCP Risk and Governance
6 Committee on DCO resilience recovery and wind-down.

7 Today I am presenting a report containing
8 recommendations from this workstream. The workstream
9 is composed of members from DCOs, FCMS, buy side, and
10 academia. These are, in alphabetical order, Ruth
11 Arnold, Managing Director and Associate General Counsel
12 at Bank of America; Richard Berner, Clinical Professor
13 of Management Practice in the Department of Finance,
14 and Co-Director of the Stern Volatility and Risk
15 Institute at New York University; Lee Betsill, Managing
16 Director and Chief Risk Officer at CME Group; Juan
17 Blackwell, Head of Credit and Counterparty Risk
18 Management at Ontario Teachers' Pension Plan; Reginald
19 Griffith, Global Head of Regulatory Compliance at Louis
20 Dreyfus Company; Demetri Karousos, President and Chief
21 Operating Officer at Nodal Exchange; and Paolo Saguato,
22 Associate Professor of Law at Antonin Scalia Law School

1 at George Mason University.

2 The report is aimed at supporting CFTC staff
3 in its final rulemaking efforts by offering
4 recommendations and comments on four main areas: (1)
5 Adopting supervisory stress testing of recovery and
6 wind-down plans; (2) Implementing recovery scenarios
7 and analysis; (3) Including non-default losses in
8 recovery and wind-down plans; and (4) Reporting of
9 customer positions and collateral during a CCP in
10 recovery or wind-down and clearing member default.

11 Before I go any further I would like to note
12 that any opinions expressed here are my own and not
13 those of the Federal Reserve system or the U.S.
14 Treasury.

15 Let me also start by acknowledging that while
16 it is important to have a roadmap for potential
17 recovery, wind-down, or resolution, subcommittee
18 members know that the resilience measures, if properly
19 implemented, will materially decrease the likelihood of
20 CCP failure and the need for recovery wind-down or
21 resolution. Some workstream participants also noted
22 that attending to the management of existing risks is

1 of greater value to the financial system than planning
2 to recovery from risk management failures.

3 The question then becomes how can we devote
4 the resources of regulators, DCOs, and market
5 participants to ensure that we utilize those resources
6 efficiently and that planning for recovery and wind-
7 down, which is necessary, does not impact negatively
8 but rather enhances the resilience of DCOs? Preparing
9 for the worst-case scenario of a recovery or wind-down
10 or resolution, if we get the balance right, can help us
11 prevent that outcome in the first place, so we must be
12 prepared.

13 With respect to the broader international
14 policy framework for the recovery and resolution of
15 CCPs, we will hear today from Professor Paolo Saguato,
16 who will speak in a few minutes.

17 Let me turn to the recommendations. I will
18 start with supervisory stress testing to identify
19 vulnerabilities in DCOs, and thus the appropriateness
20 of recovery and wind-down plans. With respect to this
21 topic, the workstream offers five recommendations:

22 (1) Commission staff should adopt and

1 implement supervisory stress testing of credit and
2 liquidity risks for all DCOs.

3 (2) Commission staff should adopt and
4 implement operational and other non-default risk stress
5 testing, leveraging industry exercises covering these
6 risks, where appropriate.

7 (3) Commission staff should include reverse
8 stress tests in their supervisory stress tests.

9 (4) The results of supervisory stress tests
10 should be made available to the public in a level of
11 detail determined to be appropriate by Commission
12 staff, within a reasonable time after the stress tests
13 have been conclude.

14 (5) Subcommittee members presenting end
15 users, FCM, and academia believe that stress tests
16 should be required to take place at least annually.
17 With respect to reverse stress tests, subcommittee
18 members representing DCOs do not believe that the
19 frequency of reverse stress tests should be annual, but
20 rather that the frequency of these tests should be
21 determined by Commission staff.

22 Let me now return to recovery and wind-down

1 scenarios and analysis. In this area, subcommittee
2 members made two recommendations:

3 (1) In the final rule, the text of CFTC
4 Regulation 39.39(c)(2) should be amended to require
5 that DCOs conduct scenario analysis that includes
6 extreme but plausible scenarios that could trigger
7 recovery or wind-down.

8 (2) The final rule should retain the
9 requirement that CITCOs include in their plans an
10 assessment of the financial resources and tools
11 available in the event of recovery and wind-down and
12 how they would address the scenarios identified that
13 could trigger recovery and wind-down.

14 The third topic is inclusion of non-default
15 losses in recovery and wind-down planning for all DCOs.
16 Here subcommittee members made two recommendations:

17 (1) The Commission should retain the
18 proposal to require a DCO that is neither a CITCO nor a
19 Subpart C DCO to maintain and submit to the Commission
20 viable plans for orderly wind-down necessitated by
21 default losses as well as non-default losses.

22 (2) The Commission should retain the

1 proposed definition of NDLS as applied to all DCOs.
2 The definition of NDL is proposed to include losses
3 arising from risks falling in these five categories:
4 general business risk, custody risk, investment risk,
5 legal risk, and operational risk.

6 The subcommittee also address the question
7 raised in the NPR and in the comment letters about the
8 provision of data to the Commission and the FDIC for
9 resolution planning purposes. By way of background,
10 the Commission is proposing a new CFTC Regulation
11 39.39(f) to clarify that the requirement that DCOs have
12 procedures in place to provide information directly to
13 the Commission and the FDIC for resolution purposes
14 means that the DCO must provide such information to the
15 Commission. The Commission would no longer be
16 requiring DCOs to provide information related to
17 resolution planning directly to the FDIC. The
18 Commission provides such information related to the
19 resolution planning to the FDIC under a memorandum of
20 understanding.

21 Here, the recommendation of the subcommittee
22 members reflects a divergence of views. Subcommittee

1 members representing end users, FCMs, and academia
2 believe that the Commission and FDIC should develop an
3 interagency task force to discuss the sharing of
4 information for resolution planning purposes. However,
5 subcommittee members representing DCOs believe that
6 coordination already occurs between the FDIC and CFTC
7 with respect to CITCOs, that an agency task force is
8 not necessary and that coordination can and will
9 continue to occur through existing channels.

10 Finally, subcommittee members addressed the
11 issue of the concentration of FCMs as potential
12 vulnerability in the clearing system and formulated
13 proposals to address challenges to porting of customer
14 positions and collateral during the recovery and wind-
15 down. The main recommendation is that the Commission
16 should develop an interagency task force, which should
17 include the National Futures Association, to discuss
18 and address impediments to the quoting of customer
19 positions and collateral in the context of a DCO
20 resolution and clearing member default.

21 The report also contains some recommendations
22 that are specific to CFTC rules and are a bit technical

1 for the time we have today. For these I refer you to
2 the text of the report.

3 That is all I have for today. I will hand it
4 over to Elizabeth King.

5 MS. KING: Thank you and good morning. I am
6 Elizabeth King and I am the Global Head of Clearing at
7 ICE and ICE's Chief Regulatory Officer. Thank you,
8 Commission Johnson, for your leadership on MRAC and for
9 inviting me here this morning to talk about recovery
10 and wind-down from the perspective of a DCO.

11 As you probably know, ICE operates
12 clearinghouses around the world, and for that reason we
13 are well versed in the development of the international
14 standards and the expectations around recovery and
15 wind-down planning for clearinghouses. ICE operates
16 six clearinghouses, four of which are registered with
17 the CFTC as DCOs.

18 I am pleased to support the report of the
19 subcommittee that is being considered by the full
20 committee today on DCO recovery and wind-down plans.

21 I would like to briefly touch on three
22 important topics: one, stress testing; the next,

1 recovery and wind-down scenario analysis; and finally,
2 the porting of customer accounts and collateral.

3 To turn to testing, ICE supports the
4 recommendations on testing in the report.
5 Clearinghouses have participated in tests conducted by
6 the U.K., the EU, and U.S. regulators, and we
7 understand the importance of these tests, which allow
8 CCPs and the wider market to assess CCPs' resilience,
9 using a common stress testing framework.

10 Regarding supervisory tests, I would like to
11 emphasize the importance of coordination across
12 regulators. Many clearinghouses are subject to
13 regulations in multiple jurisdictions, as ICE is, and
14 similarly firms that clearing members are regulated by
15 multiple clearinghouses.

16 So accordingly, a coordinated test can be
17 much more efficient for clearinghouses and market
18 participants to execute. Coordinated tests allow
19 supervisors to incorporate the expertise from multiple
20 regulators and CCPs, which can only enhance the quality
21 of that testing. Another advantage is coordinated
22 testing can make the most of the resources that are

1 expended by the industry on planning and participating
2 in these tests. And there is also the risk that
3 multiple regulatory tests being conducted in a
4 relatively short period of time can reduce the impact
5 and relevance of the tests.

6 Finally, I would like to note that some of
7 the key issues highlighted by the tests related to
8 topics that may not be CCP specific, nor can they be
9 solved by a single CCP or a single regulator. The
10 market's dependency on a small number of custodians is
11 an example of such an industry-wide issue, and the
12 risks may require the coordination and input from
13 policymakers within the U.S. and across the regulatory
14 landscape in the U.S. as well as outside the U.S.

15 And in the case of the risks associated with
16 a shrinking number of custodians, new solutions such as
17 Fed account access for non-SIF moves is something that
18 should be considered.

19 So moving on to wind-down scenarios and
20 analysis, ICE's clearinghouses engage in robust
21 scenario analysis as part of their regular risk
22 management and their recovery and wind-down planning.

1 We welcome the recommendation in the report on recovery
2 and wind-down plans that is being considered today that
3 the Commission and any rulemaking allow DCOs
4 flexibility to determine the scenarios that could
5 trigger a recovery and wind-down.

6 Each clearinghouse has different clearing
7 members. It clears a different mix of products. And
8 for that reason the clearinghouse is very well
9 positioned to understand the biggest risks to which it
10 is exposed as well as how those risks may change over
11 time as the market changes.

12 So for this reason, as with other aspects of
13 risk management, DCOs can best define and identify the
14 scenarios that should be analyzed as part of its
15 recovery and wind-down planning. And a regulatory
16 approach that is too prescriptive could increase risks,
17 that a DCO is not considering scenarios that are most
18 relevant to it.

19 And finally, turning to porting, while
20 clearinghouse recovery and wind-down planning is an
21 important aspect of risk management -- we all recognize
22 that -- it is also more likely that as in the past a

1 DCO will be required to manage an FCM failure and to
2 manage that successfully. Porting of customer accounts
3 of collateral should be an available tool in a DCO's
4 management of an FCM failure, and it can minimize, as
5 we have seen, the risk of contagion to other market
6 participants. I can't emphasize this enough, to ensure
7 the continuing availability of porting of customer
8 accounts, and that that is a tool available to
9 clearinghouses.

10 In this regard, I feel I need to mention that
11 the current BASEL III Endgame proposal changes could
12 have an adverse effect on that and the ability of
13 clearing members' capacity, and thus the willingness or
14 ability of those clearing members to accept porting of
15 customer positions and collateral as part of a
16 clearinghouse's management of an FCM failure.

17 So thank you again for inviting me to speak
18 today.

19 MR. SAGUATO: Buongiorno. Good morning.
20 Thank you very much, Commissioner Johnson, Chair
21 Crighton, and CFTC staff for organizing today's
22 meeting. I am delighted to participate, and I look

1 forward to many engaging discussions on this important
2 topic.

3 I am Paolo Saguato, an Associate Professor at
4 Antonin Scalia Law School at George Mason, today at top
5 30 law school in the country, so the dean is happy.

6 My remark will focus on the broader
7 international policy framework for the recovery and
8 resolution of CCPs with a specific focus on the
9 proposed rules on derivatives clearing organization
10 recovery and orderly wind-down plans.

11 After the adoption of the Dodd-Frank Act, the
12 Commission engaged in extensive rulemaking to implement
13 the multiple provisions of Title VII and Title VIII of
14 the Act, that affect the OTC derivative market
15 structure, and for this presentation the organization
16 and operation of DCOs.

17 CCPs are a critical financial infrastructure
18 in the modern financial markets, and their resilience
19 does not simply benefit at a micro level the clearing
20 firm itself, but the financial system as a whole at the
21 macro level.

22 Today I will focus on two areas and provide

1 my personal view.

2 One, the work on our to-do recovery and
3 orderly wind-down is happening both at the global level
4 and here in the U.S., as CCPs and their members and
5 users are global players and highly interconnected.
6 This policy work is important at both levels, and
7 global coordination is important to level the playing
8 field.

9 Two, the resilience of CCP is the starting
10 point for all discussions on recovery and orderly wind-
11 down, and let's not forget incentives.

12 Starting from the international framework,
13 international standard-setting bodies have been quite
14 active on building on the principle that ended up being
15 in the CPMI-IOSCO principles for financial market
16 infrastructure, and in studying, advancing, and
17 proposing alternative options, principal guidelines for
18 the resilience, recovery, and resolution of CCP.

19 The PFMI stresses the importance of effective
20 governance arrangement for CCPs, the presence of the
21 comprehensive risk management, the proper allocation of
22 loss-absorbent financial resources, and the importance

1 of stress testing for both credit and liquidity
2 exposure. All aspects are critical in planning
3 recovery and resolution.

4 CPMI-IOSCO also knows the systemic importance
5 of CCP and the necessity for CCP to have effective,
6 transparent stakeholder-conscious recovery plans to
7 support the provision of these critical services.

8 At the international level, the Financial
9 Stability Board has also been quite active, as well.
10 Recently, the FSB concluded a consultation on financial
11 resources and tools for central counterparty
12 resolution. The consultation received mixed comments
13 by stakeholders, focuses on opportunities for CCPs to
14 add potential alternative financial resources and tools
15 to support CCP resolution. I personally believe the
16 work of the FSB on the matter of CCP resilience and
17 financial resources for recovery and resolution is
18 worth acknowledging, in particular given the importance
19 of a participative and accountable risk management
20 framework for CCP, operating in a market environment
21 characterized by the presence of a clear mandate.

22 The second point I would like to make is to

1 stress the importance of the investment by the
2 Commission CCPs clear members and users in working on
3 resilience together with recovery and wind-down
4 planning. Despite recovery being considered a tail
5 event for CCP and resolution being a tail of a tail
6 event, their effect could be disastrous, and therefore
7 resilience in our central clearing infrastructure is
8 and must be the first line of defense, a focus that
9 reduces the likely need for recovery, much less for
10 orderly wind-down.

11 The CFTC and the DCOs have made efforts to
12 build that resilience, but risk management involves
13 being prepared for things to go badly wrong. As the
14 Roman said, "*Si vis pacem, para bellum*," "If you want
15 peace, prepare for war." So even if those tail events
16 are low probability if they occur, the effects would be
17 highly adverse.

18 Preparing for them also helps align
19 incentives for both DCOs and their stakeholders and the
20 official sector to have strong risk management regime
21 and to reduce the moral hazard of implied support.

22 In this direction, stress testing is an

1 important tool to support the predictability of the
2 operational of the recovery and resolution planning. A
3 principle-based approach, rather than a more
4 prescriptive framework, would offer the whole industry
5 more space to internalize the differences of specific
6 products and market structure. Yet the Commission
7 should support the balancing of interest and incentive
8 that the clearing mandate and the evolution of non-
9 member-owned clearinghouses might misalign with respect
10 to risk management.

11 Thank you very much for the opportunity to
12 present my ideas, and I really look forward to
13 continuing to work with you and to answering any
14 questions.

15 MR. DUMAS: Hello. My name is Cantrell
16 Dumas. I am a Director of Derivatives Policy at Better
17 Markets. Thank you, Commissioner Johnson, for inviting
18 me to this committee and for bringing me here to speak.
19 My remarks will focus on better market support to the
20 CFTC proposed rulemaking regarding DCOs' recovery and
21 orderly wind-down plans.

22 A cornerstone of Dodd-Frank derivatives

1 reforms was the introduction of central clearing for
2 derivatives contracts. Mandating that certain
3 derivatives be cleared through regulated
4 clearinghouses, the legislation aimed to bring greater
5 transparency and risk mitigation to a previously murky
6 and perilous market.

7 The central clearing requirement ensured that
8 these contracts would be processed and settled through
9 intermediaries known as DCOs, which would act as
10 guarantors of trades, effectively standing between
11 counterparties. DCOs can be liken to the financial
12 systems pawning, often overlooked but nonetheless
13 indispensable.

14 One of the pivotal provisions of Dodd-Frank
15 was granting authority to the Commission to promulgate
16 and enforce regulations governing DCOs. These
17 regulations were pivotal in establishing the rules and
18 standards by which DCOs would operate. They laid the
19 foundation for the safety and soundness of DCOs,
20 ensuring that they would effectively manage risk,
21 provide stability to the financial system, and respond
22 to market stress with resilience. Indeed, these

1 regulations were indispensable in bolstering the
2 stability and resilience of the financial system,
3 particularly in times of economic turbulence and
4 stress.

5 DCOs play an indispensable role within our
6 financial markets, serving as the linchpin for central
7 clearing and market infrastructure. During moments of
8 heightened stress and uncertainty, DCOs assume a
9 critical role of providing the vital services necessary
10 for maintaining continuity in the financial markets
11 they serve.

12 The global adoption of central clearing
13 mandate has ushered in notable escalation in clearing
14 volumes across the swaps markets. In recognition of
15 this, market regulators must take rapid measures to
16 ensure that clearinghouses are not merely commercially
17 viable entities but also well-prepared to operate
18 effectively and provide their indispensable services,
19 as anticipated, even when confronted with extreme
20 market stressors.

21 This critical role of DCOs in maintaining
22 market stability during challenging times underscores

1 better market support for the proposed rule. The
2 proposal seeks to codify and expand upon existing staff
3 guidance, setting forth explicit requirements for
4 CIGCOs and Subpart C DCOs in terms of providing
5 information to the CFTC for resolution planning. By
6 enhancing risk management, bolstering resilience, and
7 fortifying contingency planning across these vital
8 entities, the proposed rules ensure a greater level of
9 predictability in the event of unforeseen disruptions
10 to DCO operations.

11 Clearinghouses should have a robust recovery
12 and wind-down plan as part of maintaining a sound risk
13 management framework. Recovery and wind-down plans are
14 essential prevent losses across our markets and any
15 spillover effects into other markets. An effective
16 wind-down plan promotes the goal of ensuring, at a
17 minimum, that DCOs have sufficient resources,
18 capabilities, and legal authority to implement the
19 tools and procedures for orderly wind-down activities.
20 It is imperative that DCOs, not just the largest ones,
21 have orderly wind-down plans in place to prevent
22 significant market disruption throughout our financial

1 system. The scenarios outlined in the proposed rules
2 would necessitate a comprehensive assessment of a broad
3 range of relevant risks.

4 Regulation 39.39(c)(1) presently mandates
5 that CITCOs and Subpart C DCOs create both recovery and
6 orderly wind-down plans. These plans must encompass
7 various scenarios that might impede their ability to
8 meet obligations, deliver critical services, and assess
9 recovery or wind-down options effectively.

10 Initially, when the Commission introduced
11 39.39(c)(1), there were requests from stakeholders for
12 more explicit requirements regarding recovery plans.
13 However, the Commission refrained from providing such
14 specifics because the relevant international guidance
15 had not been finalized when the regulation was adopted
16 in 2013. Subsequently, after international guidance
17 became more defined, the CFTC issued CFTC Letter #1661,
18 offering informal guidance on these elements. Notably,
19 the proposed rule highlights that the Commission's
20 supervisory experience suggests that recovery and
21 orderly wind-down plans of CITCOs and Subpart C DCOs
22 tend to be in accordance with the principles outlined

1 in Letter #1661.

2 Consequently, most, if not all, of the
3 requirements proposed are already incorporated into the
4 plans submitted by DCOs currently under the purview of
5 39.39. The CFTC proposed then to formally include
6 staff guidance in the Commission's Part 39 regulations,
7 thereby specifying the necessary elements that CITCOs
8 and Subpart C DCOs must include in their recovery and
9 orderly wind-down plans.

10 Better Markets strongly encourages that the
11 CFTC to adopt the proposed changes. These changes
12 align with international standards for recovery plans
13 and orderly wind-down plans while also drawing upon
14 developing DCR staff guidance outlined in CFTC Letter
15 #1661.

16 The new requirement encompassed critical
17 elements such as the identification of DCOs' critical
18 operations, staffing arrangements, stress scenario
19 analysis, descriptions of governance arrangements, and
20 more. These proposed enhancements are essential for
21 ensuring the viability and effectiveness of these
22 plans, reflecting the minimum standards for CITCOs or

1 Subpart C DCOs should include their recovery and
2 orderly wind-down plans. By formalizing these
3 requirements, the Commission would promote clarity,
4 transparency, and consistency in risk management
5 practices across the industry. This, in turn, would
6 contribute to the overall resilience and stability of
7 the financial systems.

8 Better Markets fully supports the adoption of
9 these changes to safeguard the integrity of our
10 markets. Thank you.

11 CHAIR CRIGHTON: Great. Thank you Elizabeth,
12 Paolo, and Cantrell. At this time I will open the
13 floor to questions, comments, and discussion from the
14 committee members.

15 [Pause.]

16 CHAIR CRIGHTON: Marnie?

17 MS. ROSENBERG: Thanks, Alicia. JPMorgan
18 commends Commissioner Johnson for her sponsorship of
19 the MRAC and Alicia Crighton as the MRAC Chair for the
20 continued focus of the CFTC's CCP Risk and Governance
21 Subcommittee on Enhancing CCP Risk Management. We
22 support the important work that has been done through

1 the recovery and resolution workstreams. We agree that
2 resilience measures, such as maintaining adequate
3 margin and collateral, can reduce the likelihood of a
4 recovery or resolution, and from this perspective we
5 continue to support the work of the margin and
6 collateral workstream, which we believe should progress
7 on important matters such as transparency and
8 addressing margin per cyclicalality in parallel to the
9 ongoing international work.

10 Notwithstanding the focus on resilience, we
11 believe it is important to be prepared for a tail event
12 rather than to be caught unprepared. To this end, we
13 support the inclusion of non-default losses, or NDLs,
14 in recovery and resolution planning, and believe that
15 it is important to provide clarity on potential impact
16 that NDLs, such as cyber and international events, can
17 have on market participants.

18 We also believe that it is equally important
19 for there to be information shared directly with the
20 FDIC to ensure the efficacy of resolution planning.

21 And thank you, Alessandro Cocco, for leading
22 this subcommittee. We also look forward to seeing the

1 recommendations of the margin and collateral workstream
2 in the coming months. Thank you.

3 CHAIR CRIGHTON: Thanks, Marnie. Are there
4 any other comments before we move to a vote?

5 [Pause.]

6 CHAIR CRIGHTON: Okay. So we have discussed
7 at length the recommendation on DCO recovery and
8 resolution. Is there a motion from the body to adopt
9 this recommendation and submit the recommendation to
10 the Commission? I note there is a sample motion
11 included in your printed materials, so that is the
12 format that we will need to receive that motion.

13 So again, we are looking for a motion and
14 then ultimately -- oh yes.

15 MR. CHATTERJEE: I am happy to make the
16 motion, yes. So I move that the committee adopt the
17 subcommittee's recommendation on DCO recovery and
18 resolution, as amended, and that the committee submit
19 the recommendation to the Commission for consideration.

20 CHAIR CRIGHTON: Thank you, Bis. Do we have
21 a second?

22 MR. BERGER: Second.

1 CHAIR CRIGHTON: Great. Thank you. It has
2 been moved and seconded. Are there any additional
3 questions or comments?

4 [No response.]

5 CHAIR CRIGHTON: Okay. Seeing none,
6 committee members, are you ready -- oh sorry, Juan. I
7 apologize.

8 MR. BLACKWELL: No, no problem at all. I
9 just wanted to echo Elizabeth's comments with respect
10 to the potential impact of Basel III Endgame. I chose
11 to wait until after the vote to make the comment
12 because I realized that it is not just something that
13 can be influenced by the CFTC. But the biggest thing
14 worrying end users -- I represent one of them -- is
15 potential contraction in FCM offering.

16 CHAIR CRIGHTON: Thank you, Juan.

17 Okay. Not seeing any other comments we will
18 go ahead and move to a vote. The motion on the floor
19 is for the committee to adopt the subcommittee
20 recommendations on DCO recovery and resolution and to
21 submit the recommendations to the Commission for
22 consideration.

1 As a reminder, abstentions are not counted as
2 a vote, and as a point of order, a simple majority vote
3 is necessary for the motion to pass.

4 I will turn it over to Tamika Bent, DFO, to
5 conduct a roll call vote.

6 MS. BENT: Hi. I just want to take a minute
7 to go back to attendance. I want to make sure that we
8 capture on the record all of the subcommittee members
9 that are present. So there are two members that did
10 now acknowledge their presence. Elisabeth Kirby, if
11 you are present please just acknowledge.

12 MS. KIRBY: Present.

13 MS. BENT: Thank you. Eileen Kiely?

14 MS. KIELY: Present.

15 MS. BENT: Thank you. Okay, I am ready to
16 move forward with the vote.

17 Thank you, Chair Crighton, committee members.
18 When I call your name please indicate your agreement
19 with Aye, your disagreement with Nay, or indicate
20 Abstain if you are abstaining from the vote. Also,
21 please remember to unmute your audio and to turn your
22 video to indicate your vote, and to mute your audio and

1 turn off your video once you have finished voting.

2 So I am just going to run through the names
3 of all the MRAC committee members.

4 Robert Allen?

5 MR. ALLEN: Aye.

6 MS. BENT: Stephen Berger?

7 MR. BERGER: Aye.

8 MS. BENT: Bis Chatterjee?

9 MR. CHATTERJEE: Aye.

10 MS. BENT: Alicia Crighton?

11 CHAIR CRIGHTON: Aye.

12 MS. BENT: Tim Cuddihy?

13 MR. CUDDIHY: Abstain.

14 MS. BENT: Graham Harper?

15 MR. HARPER: Aye.

16 MS. BENT: Lindsay Hopkins?

17 MS. HOPKINS: Aye.

18 MS. BENT: Annette Hunter?

19 MS. HUNTER: Aye.

20 MS. BENT: Demetri Karousos?

21 MR. KAROUSOS: Aye.

22 MS. BENT: Elisabeth Kirby?

1 MS. KIRBY: Aye.

2 MS. BENT: Ernie Kohnke?

3 MR. KOHNKE: Aye.

4 MS. BENT: Chip Lowry?

5 MR. LOWRY: Aye.

6 MS. BENT: Purvi Maniar?

7 MS. MANIAR: Aye.

8 MS. BENT: Andrew Park?

9 MR. PARK: Aye.

10 MS. BENT: Marnie Rosenberg?

11 MS. ROSENBERG: [Inaudible.]

12 MS. BENT: Ty Slocum?

13 MR. SLOCUM: Aye.

14 MS. BENT: James Andrews?

15 MR. ANDREWS: Aye.

16 MS. BENT: Richard Berner?

17 MR. BERNER: Aye.

18 MS. BENT: Alessandro Cocco?

19 M\$. COCCO: I serve as a non-voting member on

20 this matter, like my predecessor. Thank you.

21 MS. BENT: Thank you, Alessandro. Neil

22 Constable?

1 MR. CONSTABLE: Abstain.

2 MS. BENT: Ed Dasso?

3 MR. DASSO: Aye.

4 MS. BENT: David Horner?

5 MR. HORNER: Aye.

6 MS. BENT: Eileen Kiely?

7 MS. KIELY: Aye.

8 MS. BENT: Derek Kleinbauer?

9 MR. KLEINBAUER: Aye.

10 MS. BENT: Craig Messinger?

11 MR. MESSINGER: Abstain.

12 MS. BENT: Andrew Nash?

13 MR. NASH: Aye.

14 MS. BENT: Thank you. Jessica Renier?

15 MS. RENIER: Aye.

16 MS. BENT: Kristin Smith?

17 MS. SMITH: Aye.

18 MS. BENT: Elizabeth Sprague? Susan. I'm so
19 sorry. Suzanne Sprague.

20 MS. SPRAGUE: That's okay. Aye.

21 MS. BENT: Okay. So we have no Noes, 3
22 abstentions, and then sort of everyone else has voted

1 in support of the motion. So in this case, I guess
2 it's over to you.

3 CHAIR CRIGHTON: Thank you for carrying out
4 the vote. The ayes have it and the motion carries.
5 The subcommittee recommendations on DCO recovery and
6 resolution have been adopted by the committee, and will
7 be submitted to the Commission for consideration.
8 Thank you for that vote, and again, thank you,
9 Alessandro, for leading the efforts of the
10 subcommittee.

11

12 SECTION TWO: FUTURE OF FINANCE SUBCOMMITTEE

13 CHAIR CRIGHTON: We will now turn to a
14 presentation of the Future of Finance Subcommittee of
15 its workplan relating to artificial intelligence or AI.
16 We will hear from Kalbaugh, Deputy General Counsel and
17 Director at ING Financial Holdings Corporation.

18 MR. KALBAUGH: Thank you very much, and thank
19 you for this opportunity to address the Market Risk
20 Advisory Committee on behalf of your Future Finance
21 Subcommittee.

22 So what is before you? What is before you is

1 a preliminary workplan. This provides a framework for
2 next steps. For now we are focusing on two elements of
3 what generically people have termed AI. Now some
4 people technically would say that the second one isn't
5 AI, but we have seen that the usage is somewhat
6 expansive. And the first is generative AI, and the
7 second is those sets of machine learning that train
8 with low or no human supervision.

9 We had our inaugural meeting on March 15,
10 2024. It was attended by subject matter experts,
11 industry leaders, and regulatory leaders. The subject
12 matter experts included, for example, Ph.D.'s in
13 mathematics. So we really had a broad array of
14 disciplinary input.

15 What occurred at that meeting was we heard
16 presentations from people in and around disciplinary
17 fields, and we engaged in discussion. Subsequently,
18 there was a determination that a preliminary workplan
19 is needed. And if I could take a moment to explain why
20 we are submitting it to, because it is March 15th, it
21 is early.

22 The goal is to, as early as possible, give a

1 sense to the MRAC of what some of the focus is and what
2 some of the explorations of the subcommittee will be.
3 For us that is a major component of fostering
4 transparency, and I think you can expect that these
5 uptakes to the MRAC will be somewhat frequent so that
6 we keep everyone in the loop on direction and on what
7 has been achieved.

8 The preliminary workplan's goal is to guide
9 the subcommittee, provide focus, and provide awareness
10 to the MRAC, and also to foster just general
11 transparency. In our view it is important to do this
12 early in the process. Otherwise it ends up being a
13 fait accompli, if you already have developed more
14 advanced conclusions or an advanced focus, and then
15 there's something more that develops. So we thought it
16 best to do this early in the process and engage in this
17 dialogue.

18 So how is this done? How is this preliminary
19 workplan prepared? We integrated it into dialogue that
20 is already existing in the regulatory community. So
21 first we looked at, for example, the Treasury's recent
22 paper, FSOC's 2023 annual report, the principles based

1 framework enunciated by Commissioner Johnson on
2 multiple occasions. So in addition to be guided by
3 that existing corpus of regulatory works we also pulled
4 the resources of our membership. We have a diverse
5 membership with an array of perspectives, and so we
6 leveraged that to the benefit of the committee.

7 What is the actual plan comprised of? What
8 is a preliminary workplan comprised of? There are two
9 major elements. One element is a survey on the use of
10 AI in CFTC-regulated markets. Now the purpose of this
11 survey, or what's going to be evaluated, potentially,
12 and still is under discussion, so the idea of a survey
13 is something we think is helpful as an adjust to the
14 request for comment from the CFTC.

15 And in this survey some of the things we are
16 evaluating are the design of it, the audience, the
17 scope, should there be a recommendation for a mandatory
18 one to the CFTC or should it be voluntary? Those are
19 questions that are still under consideration. But part
20 of our goal is to get as much external input from as
21 diverse constituencies as we can. So this is one
22 pillar in that effort.

1 The second element of the preliminary plan is
2 considering recommendations to the CFTC. To be clear,
3 this could be new guidance. It could be a
4 recommendation for advisories, recommendations for
5 rulemakings, even to keep the existing framework. That
6 is not off the table. But these are all of the items
7 that are under consideration and that we, in our
8 preliminary plan, want to focus the work of the Future
9 Finance Subcommittee on in this area.

10 So focuses of the subcommittee right now are
11 whether CFTC registrants should be required to disclose
12 or explain key attributes, risks of models, and this is
13 often called explainability or intelligibility. And so
14 the question is to what extent are additional
15 requirements necessitated, because maybe there is a
16 qualitative difference in the use of these
17 technological tools compared to the historic use of
18 algorithmic tools or more simple levels of machine
19 learning when computer processing power had not
20 achieved the levels it has now, particularly with
21 leveraging of GPUs.

22 The second area is whether additional

1 requirements regarding testing and monitoring of AI
2 models as used in CFTC-regulated activities is needed.
3 And some of those area would be cybersecurity, data
4 controls, bias in areas like margin decision,
5 potentially, privacy, output consistency -- can
6 something be replicated for a regulator. And these are
7 questions that are already being asked by many people
8 in the community, of course, who are looking at the
9 questions of artificial intelligence and their role.
10 And the idea is to put a more focused spotlight on that
11 particularly.

12 The third is oversight and governance of
13 models in CFTC-regulated activities. For example, does
14 a comprehensive governance framework, is that
15 necessitated, maybe designated personnel focused on AI
16 oversight? How does senior management have sufficient
17 functional understanding to adequately supervise
18 artificial intelligence? For example, even with
19 relatively simple generative AI models, the hidden
20 layers, for example, are very complicated and require a
21 pretty deep understanding of linear algebra. So to
22 what extent does senior management have insight into

1 that, that can credibly allow them to supervise the
2 activities?

3 And of course there is always a concern of
4 concentration risk. Is that through computer
5 processing power? Is it through intellectual property?
6 These are concerns that we want to look at.

7 How will we do this? There are really five
8 elements for how we intend to approach this, and all of
9 these elements are guided by a central principle of
10 getting very diverse input from a broad array of
11 constituencies, both public and experts.

12 The first is investigations and information
13 sharing by members. The members of the Future Finance
14 Subcommittee represent and reflect a variety of
15 backgrounds that we, of course, want to leverage, and a
16 variety of competencies that we want to leverage.

17 The second is solicitation of expert input.
18 We have access to a reasonable network of experts.
19 Some of there were at our initial meeting, and we
20 intend to continue to leverage the benefit of experts
21 and to expand our community of experts with whom we
22 consult.

1 Also fomenting dialogue with similar working
2 groups, whether at other U.S. government agencies or
3 international regulators. We think it is important to
4 be a source of dialogue formation.

5 The fourth item is reviewing responses to the
6 CFTC's request for comments on the use of AI. I think
7 we are all looking forward to seeing some of the
8 responses to that, and that will be an extremely useful
9 informational device.

10 And, of course, if a survey is conducted,
11 reviewing the survey responses.

12 Although not explicitly in a workplan, as an
13 adjunct to the above we have also discussed potentially
14 having more public meetings or public meeting
15 roundtables, and other similar initiatives.

16 With that I cede the rest of my time, and I
17 thank you for your attention. I don't know if anybody
18 has any questions.

19 CHAIR CRIGHTON: Great. Thank you, Gary. We
20 will now open the floor to MRAC members for discussion.

21 Thank you, Chip.

22 MR. LOWRY: Gary, thank you for that. It was

1 really interesting. And I think there is an
2 opportunity to add a lot of value here for the
3 industry, especially when we are talking about
4 governance and oversight.

5 One thing that might be constructive for the
6 subcommittee to pursue is an interagency dialogue that
7 would include the SEC and the Federal Reserve. The
8 Federal Reserve owns supervisory-level Letter SR 11-7,
9 which talks about model risk, including model
10 validation. That goes back to a time when models were
11 much simpler than what we are seeing in AI, with linear
12 algebra and hidden layers, and they were just sort of
13 more related to stochastic type models. And the
14 documentation and explainability that is required
15 there, it is another level when it comes to AI.

16 So if we could help with an industry dialogue
17 around what model validation means in terms of
18 explainability for these types of models, that would be
19 much appreciated by the community that is covered both
20 by the CFTC and the Fed, and I think would just be a
21 great addition to the industry.

22 So thank you for the work you are doing on

1 that.

2 MR. KALBAUGH: Thank you, Chip. You may have
3 seen me frenetically taking notes. Absolutely, we will
4 be taking it up. We will be reaching out to the SEC
5 and the Federal Reserve for this exact purpose, and
6 especially your point on model validation, what that
7 means in terms of explainability and intelligibility.
8 That certainly is an avenue that we need to need to
9 explore, so thank you for identifying that and
10 highlighting that.

11 CHAIR CRIGHTON: Thank you, Chip. Annette?

12 MS. HUNTER: Thank you. Thank you,
13 Commissioner, and thank you for this subcommittee. I
14 don't have prepared remarks but I would like to submit
15 and let you know of my support of this subcommittee,
16 the support of what we are doing, the method by which
17 we are moving forward, and doing it in a very
18 deliberative way.

19 AI is a topic at the Home Loan Bank of
20 Atlanta. It is a big topic. What are the risks around
21 it? How can we be better prepared for artificial
22 intelligence and machine learning? So I am very

1 supportive of moving this forward, and that is really
2 all I have to say on this.

3 MR. KALBAUGH: Thank you. Thank you very
4 much.

5 CHAIR CRIGHTON: Thanks, Annette. Purvi?

6 MS. MANIAR: Thank you. Thank you,
7 Commissioner Johnson and Chair Crighton, for the
8 meeting today, and thank you, Gary, for your comments
9 from the subcommittee's perspective, as well.

10 We are supportive of a survey, particularly
11 given our unique space in this ecosystem, being both a
12 traditional type of registered intermediary but also
13 one in a novel asset class. What we have found that
14 has been particularly helpful for us in our journey has
15 been an engaged dialogue with our regulators around
16 what we are doing and how we are doing it, and we find
17 that the survey will be a useful way for us to be able
18 to provide information to the Commission about where we
19 might find uses cases for this emerging technology and
20 novel technology. That will likely make any, whether
21 it is new regulation or application of existing
22 processes, such as new product approval committees or

1 model validation processes, actually fit for purpose,
2 which is the most important outcomes, we think, in
3 terms of how we look at the applicability of both AI to
4 regulated activities and their regulation thereof.

5 Thank you.

6 CHAIR CRIGHTON: Thank you. Jennifer?

7 MS. HAN: Sure. So I know that the CFTC
8 currently has an open rulemaking or notice of proposed
9 rulemaking. How does this workstream intersect, or how
10 do they relate and how do they connect?

11 MR. KALBAUGH: I'm sorry. So the rulemaking
12 you are referring to?

13 MS. HAN: The CFTC has a proposal of advanced
14 notice for proposed rulemaking on use of AI. How does
15 this workstream -- I guess because that's out there,
16 why is this one needed? I'm just trying to understand
17 how they intersect.

18 MR. KALBAUGH: Sure. Understood. I think we
19 need to be an adjunct supporting and helping the CFTC
20 in its efforts. I can't speak for the CFTC, and
21 neither of us can, but I would imagine that if I were
22 to look at it from the CFTC's perspective I would want

1 a multipronged effort, and I think that's what this
2 provides.

3 An advanced notice of proposed rulemaking is
4 a means of what I would call structured dialogue, and
5 structured dialogue with regulatory community is
6 important. But I am going to emphasize "structured."
7 We have a lot more flexibility to engage in a broader
8 discussion with the regulatory community, both on and
9 off the record, without having the formalities that the
10 Administrative Procedure Act for how folks are forced
11 to submit comments and how they are forced to submit
12 the input. And I think that's important and I think
13 that gives us the flexibility that can support and help
14 this critical CFTC effort in this area.

15 MS. HAN: Just some additional comments as we
16 move on. As you proceed, I hope you will take a look
17 at what existing rules may already cover oversight of
18 use of AI. I also think that AI, as a general matter,
19 is a very, very broad topic, so what becomes included,
20 because again, I hear people as they write letters,
21 they put it into ChatGPT for grammatical errors and
22 just recommendations how to improve their letter. So

1 that seems like a very broad scope.

2 I also think that as I look at the other
3 workstreams here, that we have, and you have concerns
4 about decreasing number of FCMs and other registrants.
5 So while every time we layer on additional regulation
6 it seems that it puts more burden on market
7 participants. So I would really look to see what do we
8 already have that covers it, because certainly this is
9 an area, as is technology, that continues to evolve.
10 And if you have to write a rule every time, it just
11 becomes a lot more burdensome. It seems like rules
12 that we have on the books should be principles-based so
13 that they last for years to come.

14 Machine learning has used for 30, 40 years
15 already. It is not new. So surely those risks have
16 been managed, and I think it's important for any group
17 to look at how those are being managed right now. And
18 I think, again, if we all think that AI is the future,
19 I think one day it is not a matter of if you are using
20 it but who is not using it and why aren't you, right.

21 So I think it is a step in the evolution of
22 technology, so we should keep that in mind as we think

1 of rules that are principles-based. Hopefully we
2 already have them on the books. That will serve us
3 well moving forward. Thank you.

4 MR. KALBAUGH: So this is such helpful
5 commentary, and thank you for it. I just want to note
6 that it is reflective of my discussion earlier,
7 because, of course, one of the considerations, I
8 mentioned new guidance, advisories, rulemakings, but
9 also keeping the existing framework. So that is, of
10 course, on the table.

11 I think part of that requires us to look at
12 is artificial intelligence qualitatively different.
13 And candidly, I'm just going to say, I think there are
14 some arguments for why it is qualitatively different
15 and therefore may merit a distinct regulatory
16 assessment. But the question is still out there.

17 You also raised, and I think correctly, and I
18 thank you for raising it, you are saying that AI is
19 very broad, machine learning is not new. And I want to
20 ask you, if I may, our focus right now is on generative
21 AI and machine learning training with low or no human
22 supervision. And that's use in the financial markets

1 is more recently. I did research, and something I've
2 written, going back to the 1960s we can find the first
3 example of machine learning's use in the financial
4 markets. So, of course, I completely agree with you.
5 Machine learning, categorically, is not new, but with
6 the very low level of human supervision I think that is
7 a more recent phenomenon in the financial markets.

8 And I just want to ask you, do you think that
9 is the first narrowing of the definition of artificial
10 intelligence, to narrow it to generative AI and those
11 types of machine learning training with low or no human
12 supervision?

13 MS. HAN: I certainly think narrowing it is
14 very important. I think the other step is making sure
15 that we can all come to an agreement, because it seems
16 like there are so many different agencies looking at
17 it, and how you define generative AI. We have taken a
18 look at it, and there isn't a standard definition. So
19 I think all of us agreeing on the right terminology is
20 probably the right first step, so we are all talking
21 apples to apples.

22 MR. KALBAUGH: I think that's right. That

1 makes a lot of sense. Thank you for that input.

2 Great.

3 MS. BENT: First of all, indeed there is a
4 request for comment on AI that is outstanding. I know
5 that the subcommittee members discussed the interplay
6 between that RFC or RFI and the survey, the idea of the
7 proposal to conduct a survey.

8 So I just wanted to take a moment -- I think
9 Gary did a really great job of explaining the work of
10 the subcommittee -- but I wanted to take a moment to
11 open it up for other subcommittee members who might
12 want to contribute and sort of explain the deliberative
13 process, to offer their feedback. I know Jai is here,
14 and I see that she has something that she would like to
15 contribute, so I would just like to turn it over to her
16 to contribute briefly.

17 MS. MASSARI: I was just going to echo Gary's
18 comments, and thank you, Jennifer, for the question. I
19 think it is a really good one, and it is a point that
20 we thought about a lot, which is how can the
21 subcommittee and the committee contribute to the
22 discussion of AI and the use of AI in CFTC-regulated

1 markets.

2 The discussion about AI is the hot topic of
3 the day, right. And so that discussion is happening
4 across the U.S. government, across the private sector,
5 in academia, everywhere. And the purpose of the
6 recommendations is not to duplicate or in any way redo
7 work that's already being done either by the CFTC or
8 other government agencies but instead to sort of
9 sharpen the focus on how AI is being used in CFTC-
10 regulated markets to better understand that use today,
11 to try to identify any gaps -- if there are any, to
12 your point -- in regulation that exists, and to try to
13 help steer the work of the Commission as it goes
14 through the RFI process, whether to a rulemaking or
15 not, but just to sort of sharpen and focus the work
16 that we can do to contribute to the process overall,
17 including all of the points that you made about really
18 do we understand how the technology is actually being
19 used today, what the future uses might look like, and
20 should anything be done about those, and if so, what.
21 And the first step to that in the workplan is to
22 recommend a survey to be done of actually just that --

1 how is the technology being used in CFTC-regulated
2 markets.

3 CHAIR CRIGHTON: Thank you. Stephen?

4 MR. BERGER: First I would like to thank the
5 subcommittee for all their efforts on this important
6 topic, and really do appreciate the presentation and
7 sharing of the workplan to provide all of us with
8 transparency and an opportunity for feedback.

9 I just wanted to share one initial reaction,
10 which somewhat builds on the conversation we have just
11 had. As I read the end of Footnote 1 it says that,
12 quote, "The preponderance of the conclusions will apply
13 to any training technology regardless of whether it
14 specifically uses AI."

15 So I think the one piece of feedback I would
16 provide is I think it is important to appropriately
17 scope the exercise in terms of what's being looked at
18 here. There is another regulator across town that has
19 a rulemaking on, quote/unquote, "predictive data
20 analytics," but it includes a definition of covered
21 technology that includes just using math in the
22 investment process.

1 I don't think that's what the efforts here
2 are of this subcommittee, and maybe I misread the
3 language there at the end, but I would just encourage
4 sort of a discipline in terms of what's being focused
5 on.

6 MR. KALBAUGH: Thank you.

7 CHAIR CRIGHTON: Thank you. Any other
8 comments? Jennifer?

9 MS. HAN: Maybe just add to my comment,
10 again, just thanking the Commission for taking such a
11 thoughtful process as opposed to jumping ahead. And I
12 really do think the first step is understanding how the
13 technology is being used, what is happening, before
14 diving into rulemaking. So I very much appreciate the
15 thoughtful approach the Commission has taken.

16 CHAIR CRIGHTON: Stephen, do you have a
17 follow-up. Okay, great. Thank you.

18 Okay. Seeing no other comments, we
19 appreciate that discussion. I think that's been very
20 helpful in regard to the workplan for the Future of
21 Finance Subcommittee.

22 I think at this stage the Future of Finance

1 Subcommittee will continue to develop the workplan as
2 it has been discussed today, and further report back to
3 the parent committee. Thank you.

4

5 SECTION THREE: MARKET STRUCTURE SUBCOMMITTEE

6 CHAIR CRIGHTON: Moving on to our third
7 subcommittee, the Market Structure Subcommittee, we
8 will present its analysis on FCM concentration and
9 capacity, and we will hear two brief workstream
10 updates. First we will hear from Ashwini Panse, Head
11 of Risk Oversight for ICE Clear Netherlands and Chief
12 Risk Officer for the North American Clearinghouses
13 Intercontinental Exchange. Ashwini?

14 Part One: FCM Concentration and Capacity Analysis

15 MS. PANSE: Thank you, Commissioner Johnson
16 and Chair Crighton for your leadership and for the
17 opportunity to speak on such an important topic today.
18 I would also like to thank Market Structure
19 Subcommittee leads Bis Chatterjee and Ann Battle and
20 all of the FCM workstream members for their valuable
21 input and support.

22 As noted in Commissioner Johnson's opening

1 remarks, the Market Structure Subcommittee's FCM
2 capacity workstream met several times to analyze the
3 increasing decline of futures commission merchants in
4 the U.S. and global derivatives markets and presented
5 its initial observations at the December 2023 MRAC
6 meeting.

7 Subsequently, on April 3, 2024, the Market
8 Structure Subcommittee voted to approve the
9 distribution of the letter which articulates the
10 workstream's findings to the MRAC. Today I will share
11 the workstream's findings.

12 As a background, the workstream sought to
13 examine the structural changes that have occurred
14 within the FCM industry over the last 20 years. To
15 facilitate its analysis, the workstream assembled a
16 database from reports prepared by the Commission that
17 are available publicly and which contain select
18 financial information taken from an FCM's regulatory
19 findings.

20 The letter includes analyzed data and charts
21 that capture trends relating to the number of FCMs'
22 activity over the years, client margins, and capital

1 requirements. The letter also incorporates qualitative
2 feedback and input received from the dealer and buy
3 side representatives on the subcommittee.

4 The headline, there has been significant
5 consolidation of FCMS overall. To highlight some data
6 points, we have observed a 69 percent decline in the
7 total number of FCMS, primarily led by the exit of many
8 independent FCMS who are neither dually registered as
9 broker-dealers nor affiliated with banks or bank
10 holding companies. But more strikingly, we have seen a
11 58 percent decline in an important group of FCMS who
12 hold customer funds intended for futures trading.

13 Also, when we look at firms doing cleared
14 swap business we have observed exits and downsizing by
15 some notable firms in recent years, including BNY
16 Mellon, State Street, Jeffries, Nomura, RBS Securities,
17 NewEdge, who exited the cleared swap business in 2015,
18 followed by Deutsche Bank Securities in 2017, and
19 Credit Suisse, as you are all aware, have begun
20 reducing their activity even prior to the sale.

21 The workstream explored the potential
22 underlying causes for the consolidation I just noted.

1 The analysis highlighted two notable regulatory
2 initiatives. The first followed the 2008 financial
3 crisis and the second resulted from the failure of two
4 significant FCMs after those FCMs faced catastrophic
5 losses resulting from fraudulent activities and
6 misconduct involving customer funds.

7 Two essential safeguards have been applied to
8 FCMs. One, to protect the integrity and to promote the
9 resilience of the broader financial system, FCMs were
10 required to maintain minimum level of capital, which
11 provides a layer of protection to an FCM's customer
12 base. And two, to protect customers' assets, FCMs were
13 required to segregate customer funds from proprietary
14 funds and trading activities of their FCM and its
15 affiliates.

16 Contemporaneous with the decline in the total
17 number of FCMs, we observed regulatory obligations that
18 increased minimum capital requirements. We believe
19 that these increases may be among the factors
20 influencing the viability of shell FCMs. Also,
21 following the adoption of Basel, bank capital
22 requirements, and certain leverage limitations, some

1 bank-affiliated FCMs have exited the futures business.
2 Discussions with some of the FCMs suggest carrying
3 futures accounts to be insufficiently profitable.

4 Also, contemporaneous with the decline in the
5 total number of FCMs, we observed a marked increase in
6 the volume of cleared activity and customer funds by
7 the FCMs. To highlight some data points, we observed
8 an increase of more than 700 percent in the holding of
9 customer funds. Twenty years ago client margin
10 requirements in the aggregated totaled more than \$60
11 billion. In 2023, FCMs managed more than \$500 billion
12 in client margin requirements. This is the highest
13 level of client margin held by FCMs to date.

14 Alongside significant consolidation of FCMs,
15 the workstream also observed structural changes. Among
16 the structural changes the workstream noticed an
17 increased concentration of bank-affiliated FCMs and
18 FCMs that are dually registered as broker-dealers. To
19 highlight some data points, a large percentage of
20 remaining FCMs are affiliated with larger banks and
21 broker-dealer FCMs who now hold all top ten industry
22 positions in terms of customer funds. The top ten FCMs

1 account for more than 80 percent of all customer funds.

2 The workstream also observed a
3 contemporaneous increase of 296 percent in firms'
4 adjusted net capital. Going back 20 years ago across
5 the firms' adjusted net capital was \$45-plus billion
6 U.S. dollars. In 2023, it is north of \$179 billion
7 U.S. dollars. As a whole, the remaining FCMs are well
8 capitalized, and most hold significant excess capital
9 relative to the CFTC minimum requirements.

10 Healthy levels of capital support FCMs'
11 financial solvency, reduce systemic risk, and enable
12 them to meet rising costs stemming from regulatory
13 requirement and technological advances. Data has
14 remained supportive of the fact that overall FCM
15 business continues to be very competitive.

16 FCMs continue to compete on the basis of fees
17 charged for brokerage and clearing quality of trade
18 execution, market access, funding and lending support,
19 collateral management, and customer service and advice.
20 FCMs across the board have been able to absorb the
21 growth in client activity, and meet margin
22 requirements, including periods when margin levels

1 increased sharply due to market volatility.

2 The workstream has rationalized why there are
3 fewer new entrants. Providing FCM services has become
4 an increasingly high fixed cost business. This makes
5 skill critical to running a successful FCM. As a
6 result, smaller FCMs may not be able to generate enough
7 revenue to justify the cost of operations.

8 There are some instances where bank-
9 affiliated FCMs may have elected to restrict the
10 services offered, particularly following the
11 implementation of new capital framework for the
12 calculation of counterparty credit risk, known as SA-
13 CCR, which influenced the cost factor for offering
14 these services. In other instances, some of the FCM
15 businesses migrated to the uncleared over-the-counter
16 market, and some market makers may have exited markets
17 where capital requirements increased, impacting
18 liquidity and the cost of hedging for commercial
19 participants.

20 Also, as a result of heightened volatility in
21 certain energy markets, many commercial participants
22 using cleared markets to hedge commercial price risk

1 have hit binding thresholds, such as capital
2 thresholds, with their FCMs. The result is that these
3 commercial participants either migrated their hedges to
4 uncleared OTC products or in some cases took the hedges
5 off altogether. Tying up too much capital has the
6 effect of reducing the headroom available when market
7 stresses occur.

8 The workstream also highlighted that given
9 the current market structure and level of FCM
10 concentration, porting of client positions may become
11 challenging. The obligation to allocate capital,
12 maintain liquidity, and ensure G-SIB capacity for their
13 businesses may limit some FCMs' ability to accommodate
14 additional client clearing business in the event of an
15 FCM default. In this context, it is also unclear
16 whether a prearranged clearing arrangement with an
17 alternate FCM will be available for porting an entire
18 client's portfolio.

19 The more recently proposed capital rules like
20 the Basel III Endgame could impact client clearing and
21 have the potential to reduce further capacity in the
22 cleared markets. The report recognizes that an uplift

1 in capital can have a real impact on the business on a
2 desk-by-desk basis and on a business-by-business basis.
3 As the hurdle rates change for those business, firms
4 will have to make decisions about where to grow and
5 invest relative to where to reduce or eliminate certain
6 activity that they do.

7 The report recognizes why it is increasingly
8 critical that capital rules remain risk-sensitive and
9 incentivize clearing. There is a need to make sure
10 that derivatives activity is appropriately capitalized,
11 but that needs to be done in a way that recognizes
12 existing risk mitigants in the system and in a way that
13 is consistent with broader policy objectives.

14 Lastly, the report recognizes that there is
15 an extensive focus over several years on the interplay
16 of FCM broker-dealer and bank holding company
17 regulatory standards as they apply to client clearing
18 franchises. As a next step, the workstream recommends
19 additional analysis to understand where the
20 introduction of new mandates and regulatory reforms
21 would impact FCMs' risk profile and FCMs' clearing
22 capacity, efficiency, or market structure.

1 That summarizes the gist and the substance of
2 the FCM capacity report included in the materials, and
3 concludes my remarks. Thank you.

4 CHAIR CRIGHTON: Thanks, Ashwini. We will
5 now open it up to MRAC members for discussion. Chip,
6 we will start with you.

7 MR. LOWRY: Ashwini, thanks very much for
8 that. It reminds me a lot of what's going on sort of
9 just in the general banking world, so the top five
10 banks control 50 percent of the deposits in the United
11 States, yet there are over 4,000 banks in the United
12 States. So clearly there has been a trend of
13 consolidation over the years.

14 Did the subcommittee take any view on what's
15 the lowest number of FCMs we get to before we're into
16 sort of a market risk issue here?

17 MS. PANSE: No. That's the analysis that
18 we'd like to do, moving forward. Also given the
19 Treasury clearing out there, and depending on where we
20 go with the capital rules, some of those aspects we'd
21 like to consider. So that's our next step.

22 MR. LOWRY: Thank you very much.

1 CHAIR CRIGHTON: Go ahead.

2 MR. PARK: Thank you, Chairman. So I guess
3 I've heard a couple of times now these arguments that
4 Basel III Endgame would really be kind of negatively
5 affecting clearing. So I just wanted to kind of
6 challenge that a little bit because at least from the
7 numbers that I've seen -- and I'd be curious as to what
8 others have seen, as well -- we'd be talking at the
9 upper end of the estimates that I've seen from various
10 people in the industry about \$7 billion in additional
11 capital across six G-SIB banks.

12 So that number sounds big but if we look at
13 that in the scheme of things, so let's just take a
14 number like the \$2 trillion gross market value of the
15 derivatives market, we are talking less than half a
16 percent. And so in the scheme of things, the \$7
17 billion is still a relatively small cost compared to
18 the risks that we are also talking about from
19 derivatives clearing that, I think still have not been
20 quite addressed.

21 So one of them has been raised by the
22 Financial Stability Oversight Council's 2023 annual

1 report, where they have mentioned that default
2 estimates have been rising across various CCPs. They
3 attribute that heavily to the volatility that has been
4 rising in 2022, especially in the LME, with the nickel
5 market, where obviously everyone is aware of how the
6 nickel market had to be basically frozen for some time.

7 So there is obviously a concern there, not
8 only of counterparty defaults rising but also given the
9 implications to other market participant there are
10 across-the-fault risks that must be considered, as
11 well, here.

12 So I think this whole notion that the Basel
13 III Endgame is going to be really negatively affecting
14 clearing without considering the benefits of that I
15 think really have to be considered. So thank you.

16 CHAIR CRIGHTON: I'll recognize Tyson, and
17 then we'll come back to maybe discuss those comments,
18 as well. Tyson?

19 MR. SLOCUM: Great. Thank you so much. I
20 really appreciate the efforts of the folks involved in
21 this workstream. The report appears to strongly
22 suggest that significant FCM consolidation is caused by

1 increased regulatory obligations, and the problem that
2 I see with that conclusion is the report or letter
3 appears to document a correlation between consolidation
4 and various regulatory obligations, but I'm not seeing
5 any evidence of causation. And I think until the data
6 or analysis strongly shows causation, I would have to
7 vote against adoption of anything that suggests that
8 regulations have been the trigger for the
9 consolidation.

10 CHAIR CRIGHTON: Thanks, Tyson. Are there
11 any other comments around the table? Sorry, Annette.

12 MS. HUNTER: Thank you. I appreciated this
13 report. I saw this report as information. I thought
14 it was very enlightening information, and it certainly
15 is applicable for at least Federal home loan banks,
16 because we have lost FCMs.

17 My concern is all the concentration risk we
18 now have. We have gone from where our risk was spread
19 about to more of a concentration risk so that if
20 another FCM goes under, I'm concerned we may not be
21 able to port. Whether we will not be able to port
22 because of Basel III, I don't know, or if it's

1 regulation that's causing the FCMs to shrink. I don't
2 know that either. I'm really hoping that this
3 subcommittee or Commission can help resolve some of
4 this what I consider concentration risk in the
5 industry.

6 But thank you for all of your work on that,
7 and I really appreciate it.

8 CHAIR CRIGHTON: Great. Thank you. Any
9 other comments?

10 Maybe, Andrew, if I can, just come back to
11 one of the comments you made, and I think some of the
12 data that we've supplied, particularly FIA, in the
13 comment letters back to the capital proposals, while
14 you do reference the amount of aggregate capital it is
15 an increase of 80 percent represented to kind of FCM
16 capital. And you have to remember that FCMs are making
17 a series of risk and economic decisions in terms of the
18 businesses that they support, and I think increases in
19 capital, depending on how banks or other companies may
20 allocate the cost of capital down to those individual
21 businesses, I think as Ashwini rightly points out, it
22 becomes more and more difficult to hit that kind of

1 cost of capital and get to the right return metrics.

2 So I think it is a much broader and deeper
3 conversation. I think these are all healthy questions
4 to ask, and I think we're always happy to discuss
5 those. I think the FIA letter, in particular, does a
6 very good job of laying out some of the considerations
7 that we think about and what the impacts are of both
8 the Basel III Endgame and the G-SIB surcharge proposal.
9 And I think it is a series of factors that have really
10 caused that consolidation in this space, not only bank
11 capital regulation, margin, and I think a lot of the
12 other factors that you hit on. I think it is very well
13 rounded in the number of considerations that you've
14 walked through.

15 COMMISSIONER JOHNSON: As a really quick
16 point of information, and Ashwini might be a better
17 person to speak to this than I would be -- I'm happy
18 also to defer to subcommittee members or the ADFO for
19 the subcommittee or the DFO for MRAC -- I want to go to
20 Ty's question specifically.

21 We were initially organizing a report, and in
22 part decided that this information should come forward

1 in a staged process, with a series of letters to the
2 Commission that offer feedback, largely because, Ty,
3 your point regarding pointing to a specific factor as
4 causal, especially in light of how eloquently Alicia
5 just described the diversity of variables that are
6 deeply impacting markets, market structure, and in fact
7 the exogenous factors well beyond regulation -- the
8 onset of the COVID-19 pandemic, geopolitical events,
9 and many other factors deeply impacting sort of the
10 trajectory and trends in the context of the FCM space,
11 we were thoughtful about transitioning to a space where
12 we could outline these diverse variables and how they
13 might be impacting the market much more so than
14 articulating a singular causal factor.

15 So I just want to share that, Ty. I don't
16 know that it should impact how you are reflecting,
17 because I think you offered a very thoughtful
18 commentary. And if the language in the letter is not
19 effective to that, one of the things I also want to
20 offer as a point of information is that with respect to
21 the recovery and resolution recommendations that
22 Alessandro Cocco presented on behalf of CCP Risk and

1 Governance and the workstream in that space, and also
2 in the context of the letter, we note MRAC members
3 received these documents only a short time ahead of the
4 meeting, and we welcome the continued comments and
5 feedback as we finalize these documents. They won't be
6 presented to the Commission until everyone has had a
7 chance to share their feedback.

8 So we welcome that continuing dialogue.
9 Today doesn't end that dialogue. It really just opens
10 up a very formal space to begin that dialogue.

11 With that I will pause.

12 CHAIR CRIGHTON: Thank you, Commissioner.
13 Are there any other questions or comments on this
14 analysis?

15 Seeing none, we have now discussed at length
16 the subcommittee's FCM Capacity and Concentration
17 Analysis. Is there a motion from the body to adopt
18 this report and submit the report to the Commission,
19 and again I'll note that the sample motion is included
20 in the printed materials.

21 So do we have a motion? Demetri?

22 MR. KAROUSOS: I move that the committee

1 adopt the subcommittee's FCM Capacity and Concentration
2 Analysis and that the committee submit the analysis to
3 the Commission for consideration.

4 CHAIR CRIGHTON: Thank you. Do we have a
5 second?

6 MR. CHATTERJEE: Second.

7 CHAIR CRIGHTON: Thank you, Bis.

8 It has been moved and seconded. Are there
9 any additional questions or comments?

10 [No response.]

11 CHAIR CRIGHTON: Okay. The motion on the
12 floor is for the committee to adopt the subcommittee's
13 FCM Capacity and Concentration Analysis and to submit
14 the analysis to the Commission for consideration.

15 As a reminder, abstentions are not counted as
16 a vote. As a point of order, a simple majority vote is
17 necessary for the motion to pass. And I will turn it
18 over to Tamika Bent, DFO, to conduct a roll call vote.

19 MS. BENT: Thank you, Chair Crighton.

20 Committee members, when I call your name please
21 indicate your agreement with Aye, disagreement with
22 Nay, or indicate Abstain if you are abstaining from the

1 vote. Also, please remember to unmute your audio to
2 indicate your vote and to mute your audio once you have
3 finished voting.

4 Robert Allen?

5 MR. ALLEN: Aye.

6 MS. BENT: Stephen Berger?

7 MR. BERGER: Aye.

8 MS. BENT: Bis Chatterjee?

9 MR. CHATTERJEE: Aye.

10 MS. BENT: Tim Cuddihy?

11 MR. CUDDIHY: Aye.

12 MS. BENT: Graham Harper?

13 MR. HARPER: Aye.

14 MS. BENT: Lindsay Hopkins?

15 MS. HOPKINS: Aye.

16 MS. BENT: Annette Hunter?

17 MS. HUNTER: Aye.

18 MS. BENT: Demetri Karousos?

19 MR. KAROUSOS: Aye.

20 MS. BENT: Elisabeth Kirby?

21 MS. KIRBY: Aye.

22 MS. BENT: Ernie Kohnke?

1 MR. KOHNKE: Aye.

2 MS. BENT: Chip Lowry?

3 MR. LOWRY: Aye.

4 MS. BENT: Purvi Maniar?

5 MS. MANIAR: Aye.

6 MS. BENT: Andrew Park?

7 MR. PARK: Nay.

8 MS. BENT: Marnie Rosenberg?

9 MS. ROSENBERG: Aye.

10 MS. BENT: Ty Slocum?

11 MR. SLOCUM: Nay.

12 MS. BENT: James Andrews?

13 MR. ANDREWS: Aye.

14 MS. BENT: Richard Berner?

15 MR. BERNER: Aye.

16 MS. BENT: Thank you. Alessandro Cocco?

17 MS. COCCO: I serve as a non-voting member.

18 MS. BENT: Again. Thank you for the

19 reminder. Neil Constable?

20 MR. CONSTABLE: Aye.

21 MS. BENT: Ed Dasso?

22 MR. DASSO: Aye.

1 MS. BENT: David Horner?
2 MR. HORNER: Aye.
3 MS. BENT: Eileen Kiely?
4 MS. KIELY: Abstain.
5 MS. BENT: Derek Kleinbauer?
6 MR. KLEINBAUER: Aye.
7 MS. BENT: Craig Messinger?
8 MR. MESSINGER: Aye.
9 MS. BENT: Andrew Nash?
10 MR. NASH: Aye.
11 MS. BENT: Jessica Renier?
12 MS. RENIER: Aye.
13 MS. BENT: Kristin Smith?
14 MS. SMITH: Aye.
15 MS. BENT: Suzanne Sprague.
16 MS. SPRAGUE: Aye.
17 MS. BENT: I'm sorry. Can you please repeat
18 that?
19 MS. SPRAGUE: Aye.
20 MS. BENT: Okay. Thank you. So, Chair
21 Crighton, you have 24 yes votes, 2 no votes, and 1
22 abstention.

1 some key indicators have suggested that the basis trade
2 has again reached high levels in the market.

3 The Treasury market ecosystem, including the
4 cash and derivatives markets as well as the basis trade
5 between them, play an important and critical role in
6 financial markets, financing the government,
7 underpinning monetary policy implementation, and as a
8 source of safety and liquidity for investors around the
9 globe. Given the criticality of the Treasury market
10 ecosystem, it is no surprise that much of the attention
11 on the cash-futures basis trade has focused on the
12 potential for financial stability or market functioning
13 concerns associated with the basis trade.

14 Our workstream seeks to provide a balanced
15 and factual picture of the basis trade, including with
16 a focus on aspects of the trade that are less well
17 understood. These include the trading positions that
18 contribute to the existence of the basis, including the
19 role of long positions and Treasury futures, the
20 benefits of efficient pricing between the markets, the
21 specific risks to which long futures, short futures,
22 and repo funding positions are exposed, and the

1 practices for effectively managing these risks.

2 This last piece, the practices for managing
3 these risks, is novel because there is relatively
4 little written about how the basis and associated
5 trading positions can be well managed. Our view is
6 that this is important because if we are to realize the
7 benefits of basis trading between cash and futures
8 markets, and we believe there is a benefit to the
9 Treasury market ecosystem, then we should all want the
10 basis trade and associated positions to be well and
11 safely managed.

12 To tackle this work we have had a working
13 group that benefits from diverse participation.
14 Working group members have also had conversations with
15 other market participants not on the working group, so
16 we have had a wide range of input on the work.

17 The slides we distributed cover these key
18 topics. I won't go through them all today, but I do
19 want to highlight some briefly that include some of the
20 key aspects of the work.

21 First, starting on Slide 6, we explain what
22 the basis is, which is a position established through

1 the purchase of a Treasury security, financed in repo,
2 along with the simultaneous sale of a Treasury futures
3 contract. Because Treasury futures contracts trade at
4 a premium to their economically equivalent cash bonds,
5 participants in the cash-futures basis trade can
6 generate returns from the trade. Leverage is generally
7 required to make the basis trade economically viable
8 because the difference in price between the Treasury
9 future and the bond is generally small.

10 Second, on Slide 10, we explore what creates
11 the basis. CFTC data show that persistent demand for
12 long futures positions, particularly by asset managers,
13 contributes to the spread or the basis between the cash
14 and the futures market. There are a few key reasons
15 that asset managers take long futures positions. For
16 example, managers of portfolios of securities seeking
17 to track to a benchmark index, they may invest in
18 shorter duration corporate or mortgage securities with
19 higher returns and then use Treasury futures to adjust
20 the portfolio's overall duration. Treasury futures are
21 also used to quickly gain or reduce exposure to
22 duration in response to large inflows or outflows. And

1 in certain cases, asset managers may also use Treasury
2 futures to obtain leverage and a higher rate of return.

3 On Slide 13, we highlight some of the
4 important benefits of the cash-futures basis trade.
5 These include improving the price efficiency between
6 cash and futures markets, which contributes to,
7 importantly, the depth and the liquidity of the
8 Treasury futures and also the cash Treasury market.
9 Because the cash-futures basis trade involves a long
10 cash position, the basis trade can also contribute to
11 lower government funding costs, creating demand for
12 Treasury securities. The trade also improves portfolio
13 optimization and capital formation.

14 On Slide 14, we highlight some of the key
15 risks of the positions associated with the basis trade.
16 These include price volatility associated with levered
17 futures and cash positions, repo financing and rollover
18 risks, margin volatility risks, risks around the
19 securities that will be cheapest to deliver into the
20 futures contract, and counterparty credit risk in the
21 event of default.

22 On Slides 17 and 18, we discuss practices for

1 effectively managing these risks, a set of best
2 practices you might call them. These include market
3 participants should assess and manage the risks
4 associated with the basis trade, including the long
5 futures position, the basis trade positions, and the
6 dealer funding risks. Cash flow modeling and stress
7 scenario analysis should be performed to understand and
8 manage the individual and portfolio risks associated
9 with the basis trade. Tolerances to those risks should
10 be established. Liquidity risks should be managed at
11 the inception and during the lifetime of the trade.
12 Market participants should do mark-to-market
13 attribution daily to reduce counterparty risks. Trades
14 including the futures and repo trades should be
15 appropriately collateralized to protect against the
16 risk of losses due to counterparty default. And
17 managers should consider strategies to manage potential
18 portfolio concentration risks.

19 Finally, on Slide 20, we highlight some other
20 potential recommendations that could be made related to
21 the basis, including seeking more data be made
22 available to the official and private sectors,

1 reviewing the accounting and reporting practices that
2 drive the price discrepancies between cash and futures.
3 We did not include it in this version, but we also
4 received feedback that the pro cyclicalities of margin
5 practices could be highlighted in future versions of
6 this section.

7 In terms of next steps, we plan to
8 incorporate feedback on the presentation and would
9 welcome that. We also want to solicit input as a next
10 step whether it would be useful to turn the
11 presentation into a white paper.

12 And that concludes my report.

13 CHAIR CRIGHTON: Thanks a lot, Nate. We will
14 open it up for member discussion, if there are any
15 comments, questions.

16 [No response.]

17 CHAIR CRIGHTON: All right. Well, seeing
18 none, thank you again.

19 *Part Three: Block Implementation Workstream Update*

20 CHAIR CRIGHTON: We will next hear from Bis
21 Chatterjee, Managing Director and Head of Innovation
22 for Global Markets Division at Citigroup, giving an

1 update on the block implementation workstream.

2 MR. CHATTERJEE: On behalf of the Market
3 Structure Subcommittee, our working group members, my
4 co-chair Ann Battle and I would like to thank our
5 sponsor, Commissioner Johnson, MRAC Chair Alicia
6 Crighton, and designated officers of the MRAC, and
7 would seek to provide an update on our ongoing work in
8 block sizes.

9 At the December 2023 MRAC meeting, this
10 subcommittee and group noted ongoing comments raised by
11 market participants on how block sizes impact the
12 ability of market participants to efficiently execute
13 large-size swap transactions and impact their ability
14 to hedge risk through swap trades. It also
15 acknowledged and strongly supported the CFTC's
16 extension of the new block thresholds from December
17 2023 to July 2024, and noted that the analysis of
18 trading volumes and other data for certain products
19 will be required as the industry works to understand
20 the impacts that higher block thresholds would have on
21 market structure and liquidity.

22 Since December, market participants,

1 including institutions represented on the MRAC's Market
2 Structure Subcommittee, have worked closely with
3 representatives of the Commission's GMAC Market
4 Structure Subcommittee, other market participants, and
5 industry associations such as ISDA to coordinate
6 discussions regarding the associated data analysis.

7 The ongoing discussions on data analysis have
8 been structured to focus on two aspects. First,
9 examining the volume and notion of trades across the
10 industry below the current block sizes, between the
11 current block sizes and the new proposed block sizes,
12 and above the proposed block sizes. This analysis is
13 similar in nature to the one conducted internally and
14 independently by two trading venues that are part of
15 this working group.

16 Secondly, the data analysis will focus on
17 studying the composition of datasets that form the
18 basis of the block analysis and are used to establish
19 the thresholds. It will seek to ensure that the
20 different types of trades that are included and
21 reported in these data set are classified
22 appropriately. The work across the industry

1 participants is ongoing, and we will continue to update
2 the MRAC on a regular basis regarding progress. Thank
3 you.

4 CHAIR CRIGHTON: Great. Thank you, Bis.
5 Will you please also provide an update on the post-
6 trade risk reduction workstream. Unfortunately, Guy
7 Rowcliffe, noted in the agenda, is unable to present.
8 Part Four: Post-Trade Risk Reduction Workstream Update

9 MR. CHATTERJEE: Thank you, Alicia.
10 Regarding post-trade risk reduction, or what is
11 referred to as PTRR, the working group and subcommittee
12 is broadly aligned at a high level on PTRR benefits for
13 the market, and therefore continues to examine how PTRR
14 activities can be expanded in a safe and sound manner
15 by addressing inefficiencies.

16 To recap, PTRR does not change directional
17 risk. Parties cannot post bids and offers or negotiate
18 during PTRR exercises. The PTRR exercises are based on
19 predetermined and transparent rules and run on
20 predetermined and published cycles.

21 The working group is conscious of the
22 importance of Title VII in Dodd-Frank and the

1 associated CFTC rules. Therefore, the working group on
2 PTRR will examine how these activities can benefit from
3 exemptions from any requirements for clearing, CDF
4 trading, registration, and real-time public reporting
5 without -- and I emphasize, without -- compromising on
6 the principles of safety and soundness of Dodd-Frank
7 Title VII and CFTC rules.

8 The working group next will look at
9 possibilities for various processes and compensation
10 controls that may be needed to help ensure that any
11 possible requests for exemption helps address any
12 concerns there may be regarding noncompliance with
13 Title VII principles. Thank you.

14 CHAIR CRIGHTON: Great. Thanks a lot, Bis.
15 Are there any questions, comments from the committee?
16 Tim?

17 MR. CUDDIHY: Thanks, Alicia. Just one thing
18 that Bis talked about as it relates to post-trade risk
19 reduction that is a challenge is that many of these
20 trades are both potentially in cleared and uncleared
21 markets, and that certainly just presents a challenge
22 in terms of risk reduction and reporting, given the

1 fact that some may be in one regime and in another
2 regime.

3 CHAIR CRIGHTON: Thanks, Tim. Any other
4 comments before we move along? Great.

5

6 SECTION FOUR: CLIMATE-RELATED MARKET RISK SUBCOMMITTEE
7 PRESENTATIONS

8 CHAIR CRIGHTON: We are moving on to our
9 fourth section of the day which will cover matters
10 relevant to Climate-Related Market Risk Subcommittee.
11 We will begin with a presentation from Dale Lewis,
12 Chief Executive Officer at Community Markets for
13 Conservation, before turning to Holly Pearen, Lead
14 Counsel at the Environmental Defense Fund, and Jessica
15 Garcia, Senior Policy Analyst for Climate Finance at
16 Americans for Financial Reform Education Fund.

17 Dale, we will turn it over to you.

18 MR. LEWIS: Well, thank you so much. I
19 should first say that I am the farthest away from being
20 a commodity analyst, but you have actually kept me
21 awake. I went to bed quite late last night and I
22 thought you just might put me to sleep, but far from

1 the truth.

2 I have lived and worked in Zambia quite a
3 long time, working with small-scale farmers, and I just
4 want to bring out a couple lessons because listening to
5 you it is very much, in fact, about commodities trade.
6 And let me just simplify it.

7 In my world, and in terms of the carbon
8 markets that I think you are interested in, let's just
9 simplify that the commodity really are the forests, and
10 they do hold the land together, and do support small-
11 scale farmers. And we have seen the effects when the
12 forests are removed, out of negligence or out of greed,
13 the small-scale farmers will suffer.

14 So this is the challenge that we have, and
15 underlying that challenge is really rural poverty.
16 And despite many different companies that have been
17 able to buy and promote various commodities, the
18 practices that were used in producing these farm
19 commodities were not simpatico or compatible with good
20 land management, and we have seen the quality of the
21 soils decline and poverty continue, particularly in
22 Zambia.

1 So our model is a very different kind of
2 commodity type business, as you may want to call it, in
3 that we are dealing with a way that we can use
4 commodity trade through agricultural products that are
5 derived from farmers that have historically been
6 farming the wrong way. We offer an incentive through
7 better pricing when communities of small-scale farmers
8 can demonstrate the right type of farming practices
9 that restore the soil and help restore the land.

10 And that is part of how we try to encourage
11 farmers not to cut down trees in a wasteful way,
12 particularly for making charcoal. It is a terrible
13 problem that we have in Zambia. And if you think about
14 it, a farmer who is poor and not well-skilled can cut
15 down a tree, turn it into charcoal, the tree will be
16 for free, turn it into charcoal and make money, and yet
17 ask yourself why would that farmer wait for five years
18 for a carbon credit? Of course he is not.

19 So it puts a great deal of pressure on our
20 planet to find a solution that can mitigate this risk.
21 And we try to hedge this risk using the combined forces
22 of the kind of agricultural, value-added markets that

1 we have created as COMACO around the brand called "It's
2 Wild!" And the carbon follows that.

3 I think this is one of the lessons that I
4 often preach to people, that if you are looking at
5 carbon markets in the space of rural Africa, a lot of
6 the for-profit carbon companies take a very different
7 approach. They move very quickly to try to turn the
8 whole system around, and of course you cannot do that.
9 These systems have a history of farming their own way,
10 and it takes market drivers to change that.

11 We have been at it for 29 years, and the
12 COMACO business itself has been in existence for 20
13 years. And I think the story that I'm telling is that
14 as we try to invest in better models and systems,
15 short-term donor projects that try or attempt to
16 address these problems are never going to work because
17 you really have to turn this very long ship around with
18 regard to impacting on scale of ecosystems, large
19 landscapes that do hold together the fabric of the
20 ecosystem that, of course, provides a number of
21 services, ecosystem services, the biodiversity, the
22 water, and again carbon.

1 So it's a very interesting story that I could
2 tell. I've only been given 10 minutes. Our website is
3 itswild.org.

4 But I just have found that this discussion
5 that you've been having is really very interesting to
6 me in looking at commodity trade and the risk of losing
7 the valuable commodities, for commodities that are
8 largely illegal and that cannot be easily replaced.
9 And the bottom line, I'll say, is that so much of which
10 direction this country will take is largely in the
11 hands of government to partner, to work with the
12 communities of small-scale farmers.

13 When we handed over the first carbon payment
14 -- we have done three so far, three different
15 verifications -- on top of our agricultural value-added
16 approach, the level of community unification and
17 commitment to doing what's right for the land changed
18 on a hundred-fold level, which just has been amazing.
19 There is no charcoal. The forests are protected. We
20 have wildlife returning. Farmers' incomes have
21 improved, diversified from forest products and
22 agricultural products.

1 So I think there is a solution out there. It
2 does take time. And above all, for my company it
3 really takes affordable finance. This is one of the
4 biggest problems I have because we give our money away
5 to support and sustain conservation.

6 It has been a pleasure. I don't know if it's
7 been 10 minutes, but I should stop there, I suppose.
8 Thank you.

9 CHAIR CRIGHTON: Thank you very much, Dale.
10 We will now turn to a recorded presentation from Holly.

11 MS. PEAREN: A remote greeting to you all,
12 and a tremendous thank you for allowing me to
13 participate today on video. I'd like to first express
14 my gratitude to the committee for including EDF in this
15 meeting and for the Commission's broader engagement on
16 climate risk, and particularly its leadership in the
17 carbon markets space.

18 I cannot attend today in person because I am
19 in transit to Singapore, which aims to be that region's
20 carbon services and finance hub, and in order to
21 attract climate capital at scale has invested in a
22 regulatory ecosystem to build a higher integrity carbon

1 market.

2 There is actually broad consensus that both
3 buyers and sellers will have more certainty in
4 transacting thanks to the regulatory wrapper around
5 traded carbon credits, and be more willing to
6 participate in a marketplace that is scrutinized by an
7 independent financial services authority. The theory
8 of change is that trust will result in scale of climate
9 action and impact, which is essential today. And I
10 commend the committee and the Commission on ensuring
11 that U.S. markets keep pace with that trend.

12 The engagement in the VCM is well timed, and
13 there are signs emerging in the first quarter of 2024
14 that indicate the market is starting to rebound.
15 Demand is returning. Recent data shows that
16 retirements reached record levels in December 2023 and
17 January 2024, and this trend is likely to continue,
18 driven by a convergence of compliance in voluntary
19 markets and implementation of the aviation industry's
20 offsetting plan, which commenced in January of this
21 year.

22 More than half of the world's 2,000 largest

1 companies have set net-zero targets and need credible
2 tools to deliver on those commitments. Carbon credit
3 provide an obvious bridge between corporate demand for
4 emission reductions and nature's need for finance.
5 These purchases could make a significant contribution
6 to providing the estimated \$41 trillion needed to close
7 the climate funding gap.

8 And the market is maturing. At COP28, the
9 six major registries announced they were aligning their
10 certification standards to reduce market fragmentation,
11 previously a key barrier for new companies seeking to
12 enter the market. Long-awaited quality assurance
13 labels will also enter the market this year, making it
14 easier for companies and intermediaries to identify
15 high-quality credits and to demonstrate their
16 responsible use of those credits.

17 On the supply side, the Integrity Council for
18 the Voluntary Carbon Market will begin identifying
19 credits that meet its core carbon principles this
20 spring.

21 On the demand side, the Voluntary Carbon
22 Markets Integrity Initiative has started verifying

1 companies' claims about their use of offsets. Global
2 management consultancy Bain & Company made the first
3 VCM carbon integrity platinum claim last month, with
4 other organizations expected to follow soon.

5 CFTC activities in 2023, notably the
6 formation of the Environmental Fraud Task Force and
7 proposed VCC guidelines, have also played a role in the
8 VCM course correction by establishing a strong
9 foundation for efficient, effective enforcement and
10 oversight of the spot and derivatives markets,
11 respectively.

12 The formation of the Environmental Fraud Task
13 Force well positioned CFTC to deter, detect, and
14 respond to fraud and manipulation in the spot VCM. The
15 experience with the EU ETS demonstrates that carbon
16 credits can be subject to all the traditional forms of
17 white-collar crime, and they should be enforced upon.

18 In addition, the task force can boost
19 credibility and integrity in the VCM right now by
20 addressing low-hanging fruit around investments, even
21 well-intentioned, valuable conservation investments,
22 that are incorrectly billed as quantifiable credits

1 that can be used to offset emissions.

2 The basic characteristics that these may be
3 lacking track and dovetail with the quality,
4 inspection, and delivery point elements identified in
5 the CFTC's proposed VCC guidance. They are quantified
6 using approved and standardized quantification methods,
7 they are verified by accredited, independent third
8 parties, and tracked and traded in a transparent
9 registry.

10 Establishing a record of enforcement
11 demonstrating these principles and their materiality to
12 the derivatives markets for VCCs will provide a clear
13 signal to market participants about the boundaries of
14 activity and what constitutes an acceptable product and
15 what is fraud and greenwashing in the VCM.

16 Similarly, the proposed VCC guidance
17 accurately captures the global benchmarks for high
18 integrity carbon credits as set forth in the ICVCM's
19 Core Carbon Principles, all but for CCP 9 and 10, and
20 as members of ICVCM, EDF particularly appreciates the
21 overlap between the three broad categories of guidance
22 around quality, delivery points, and inspection, to the

1 defining hallmarks of high integrity credits.

2 CFTC's 2023 activity demonstrates that the
3 Commission is on strong footing to provide necessary
4 oversight, and there is still work to be done. The
5 Taskforce on Scaling Voluntary Carbon Markets
6 identified six topics for action in its initial report.
7 Carbon integrity was the first, and it's an incredibly
8 important topic, as borne out by the market performance
9 last year. Two of the other topics for action address
10 the demand signals and are the subject of VCMi credit
11 claims guidance and greenwashing rules in California,
12 the EU, and potentially the FTC Green Guides.

13 But three topics for action remain
14 unaddressed in a robust way. They are market
15 intermediaries, market infrastructure addressing trade,
16 post-trade financing, and data, and market integrity
17 assurance. I note that Commissioners Johnson and
18 Goldsmith Romero have demonstrated thought leadership
19 around these issue and well-received public remarks.

20 EDF believes carbon markets can help bridge
21 the financing gap for both technology-based and nature
22 based climate solutions. However, the growth and

1 potential of the carbon markets are tethered closely to
2 the clarity and robustness of their governing
3 frameworks and standards, including underlying legal
4 framework. Without legal and regulatory clarity carbon
5 markets, taken as a whole, face fragmentation,
6 inefficiency, and diminished trust among participants,
7 undercutting their strength as a tool for driving
8 climate action.

9 The Commission has a correspondingly
10 important and unique role in creating the enabling
11 conditions to support a public market that is
12 attractive to capital, safe to transact, low friction,
13 and allows customers to manage risks.

14 I look forward to engaging further with the
15 committee, panelists, and others interested in ensuring
16 that commodity markets not only remain robust,
17 transparent, and dynamic in the face of climate risk
18 but also deliver on their potential to mitigate that
19 risk. Thank you.

20 CHAIR CRIGHTON: Great. Thank you, Holly.
21 We will now turn to presentation by Jessica Garcia.

22 MS. GARCIA: Good morning. I'll wake you all

1 up a little bit. I think I have the last speaker slot
2 before lunch, so bear with me a little bit.

3 Good afternoon and good morning. My name is
4 Jessica Garcia. I am a Senior Policy Analyst for
5 Climate Finance at Americans for Financial Reform
6 Education Fund.

7 To start, well, I want to thank Holly and
8 Dale for their comments and their perspectives, and I
9 plan to really build off of what they already shared.

10 I want to recognize and appreciate the
11 Commission's attention to voluntary carbon markets and
12 of MRAC for exploring its specific ties to market risk.
13 I also believe it is critical that the Commission and
14 advisors look at all other climate-related market and
15 prudential regulatory priorities within the CFTC's
16 jurisdiction. Challenges with transparency and
17 integrity in voluntary carbon markets is a small slice
18 of the overall climate-related financial risks facing
19 these markets.

20 As noted, in this Climate-Related Market Risk
21 Subcommittee's 2020 report on managing climate risk in
22 the U.S. financial system, U.S. financial regulation

1 must recognize that climate change poses serious
2 emerging risks to the U.S. financial system, and they
3 should move urgently and decisively to measure,
4 understand, and address these risks.

5 In the few years since that report was
6 published, the consequences of climate change have only
7 grown. In the United States, physical risks alone set
8 an unfortunate record in 2023, with 28 weather- and
9 climate-related disasters, with each disaster
10 inflicting \$1 billion in direct damage, not including
11 the many indirect damages and disruptions to follow.
12 Physical and transition risks pose systemic threats to
13 the financial system.

14 The 2020 report offers that regulators should
15 recognize that the financial system itself can be a
16 catalyst for investments that accelerate economic
17 resilience and the transition to a net zero emissions
18 economy. Voluntary carbon credits and their derivative
19 products are touted as one of the potential solutions
20 in that vein. But there are significant unaddressed
21 integrity problems within these markets, and the CFTC
22 has rightly moved to address them.

1 Alongside partner organizations, we have
2 previously recommended that the Commission generally
3 disallow carbon credit derivatives trading unless and
4 until the integrity challenges within the underlying
5 markets are reasonably resolved. Instead, the
6 Commission has chosen to provide guidance to designated
7 contract markets. This action, while important, is a
8 small step in dealing with the persistent problems
9 within the voluntary carbon markets. To contain this
10 risk, urgent action from the Commission, Congress, and
11 other Federal regulators is required.

12 I want to highlight two recommendations for
13 commodity characteristics that were not listed in the
14 proposed voluntary carbon credit derivatives guidance
15 but should be included. First, the final guidance
16 should include a leakage risk as separate from
17 additionality and permanence under quality standards.
18 Leakage occurs when efforts to reduce emissions in one
19 place simply shift emissions to another location or
20 sector, where they remain uncontrolled or unaccounted
21 for. It is a commonly cited integrity concern,
22 particularly with carbon credit from land-based

1 projects such as forestry and agriculture.

2 Second, the Commission should be clear that a
3 DCM must consider whether a crediting program has
4 implemented social and environmental safeguards. Those
5 safeguards are material terms and conditions and
6 required by most reputable private sector and
7 multinational development initiatives to improve the
8 chances that financed projects will not be undermined
9 by violations of human right, land rights, and labor
10 rights, all of which could increase risk of fraud and
11 manipulation, and in turn decrease investor confidence
12 and result in a decline in value of carbon credits.

13 The CFTC is not alone. It is in good company
14 among financial regulators paying attention to the lack
15 of quality in the voluntary carbon markets. Disclosure
16 requirements or recommendations for any aspect of
17 voluntary carbon markets proposed by any government or
18 standard-setting body should be considered by this
19 committee as pertinent to market risk. The
20 subcommittee should engage with the Department of the
21 Treasury, particularly related to its published
22 Principles for Net-Zero Financing and Investment, which

1 note voluntary carbon market challenges and make it
2 clear that any voluntary use of carbon credits should
3 be accompanied by sufficient detail on the nature and
4 integrity of those credits.

5 As alluded to by Holly, California Assembly
6 Bill 1305, which was signed into law in October 2023,
7 requires that any entity doing business in California,
8 regardless of revenue, must disclose detailed
9 information regarding their marketable voluntary carbon
10 offsets on their website.

11 Just last month, the SEC promulgated its
12 final rule on climate-related financial risk disclosure
13 from public companies, including disclosure around
14 carbon offsets usage and expenditures, when they are a
15 material component of a company's plan to achieve
16 climate-related targets or goals.

17 Finally, in its recent consultation report on
18 VCMs, IOSCO acknowledged that many offset projects are
19 failing to deliver promised emission reductions, and
20 some carbon credits may amount to little more than
21 greenwashing. IOSCO also says authorities with
22 enforcement power can play a significant role in

1 preventing fraud, protecting market participants from
2 misleading claims, and instilling greater confidence in
3 the integrity of the VCMs.

4 The CFTC should be on the lookout for
5 outright fraud that may already be occurring. For
6 example, there are credible reported cases of
7 fraudulent sale of phantom carbon credits, and if these
8 occur in a spot market used for a derivative contract
9 the Commission should pursue that type of case.

10 As Commissioner Johnson has stated, while the
11 Commission's authority to introduce regulation is
12 limited to community derivatives, the Commission has
13 broad authority to address fraud and market
14 manipulation in the spot market. In that vein, a
15 applaud the Commission's establishment of the
16 Environmental Fraud Task Force and anticipate future
17 enforcement action.

18 In recognizing the extent of the problems
19 within the underlying voluntary carbon markets, the
20 Commission should continue to caution all of its
21 regulated entities, in the strongest possible terms,
22 about well-founded concerns on transparency,

1 credibility, greenwashing, and environmental injustice
2 in voluntary carbon markets. The Commission should
3 plan to engage in significant oversight to prevent
4 fraudulent and misleading claims, market manipulation,
5 and undisclosed financial risk.

6 Finally, as the Commission finalizes the
7 voluntary carbon credit derivatives guidance, it should
8 closely monitor and bring appropriate enforcement
9 action in cases of DCMs' non-adherence to the core
10 principles.

11 Thank you for your time.

12 CHAIR CRIGHTON: Thanks, Jessica. We will
13 now open it up to MRAP members for discussion.

14 [No response.]

15 CLOSING REMARKS AND ADJOURNMENT

16 CHAIR CRIGHTON: And that concludes our
17 meeting today. I'd like to say a big thank you for the
18 insights of our guest speakers today as well as the
19 thoughtful contributions from our MRAC members.

20 Commissioner, do you have any last remarks?

21 COMMISSIONER JOHNSON: I will, and in fact I
22 want to just, as a point of order, offer a response to

1 a question we received regarding the details related to
2 the membership of the Future of Finance Subcommittee.
3 So before delivering any closing remarks I just want to
4 allow Julia Welsh, who is on my staff, and also acting
5 as Alternate Designated Federal Officer for the Future
6 of Finance Subcommittee, or Jai, you are still here.
7 Yes, would you please. Jai is going to share with us
8 the membership list.

9 MS. MASSARI: Julie, I didn't want to steal
10 your job.

11 COMMISSIONER JOHNSON: Oh, she's got plenty
12 of work.

13 MS. MASSARI: Yeah, I assumed. So I will
14 just read out the list of the members of the Future of
15 Finance Subcommittee for the record.

16 Tim Cuddihy -- sorry if I butchered your last
17 name -- DTCC; Ed Dasso from the NFA; David Horner from
18 the London Stock Exchange Group; Kristin Chain,
19 Blockchain Association; Purvi Maniar from FalconX;
20 Kevin Werbach from the Wharton School at UPenn; Tyson
21 Slocum from Public Citizen; Alessandro Cocco from
22 Treasury; Jessica Renier from IIF; me, Jai Massari at

1 Lightspark; Rebecca Rettig, Polygon Labs; Petal Walker,
2 Liquidity Lock Global Markets; Gary Kalbaugh, ING
3 Financial Holdings; Yesha Hadav from Vanderbilt Law
4 School; and last but not least, Mark Hays from
5 Americans for Financial Reform.

6 COMMISSIONER JOHNSON: Thanks so much, Jai.
7 We are excited for the work that you are doing and
8 grateful for the two subcommittees that have taken on
9 formal workstreams at the beginning of this year, and
10 anticipate great and very high quality recommendations
11 coming from those subcommittees.

12 I want to just reiterate something I
13 mentioned earlier in the context of the FCM capacity
14 and concentration report, which I signaled was
15 applicable across the board, I think, for all of the
16 matters that have come before MRAC members today. That
17 would include the recovery and resilience
18 recommendations and also includes the working plan of
19 the future of finance AI workstream.

20 I think all of these are works in progress,
21 just at different stages, and for each of them, to the
22 extent that there are members or stakeholders that

1 would like to ensure their thoughts, reflections, or
2 viewpoints are accurately captured in any of the work
3 product, we welcome the distribution of that
4 information. Tamika Bent of my office acting as ADFO
5 for the MRAC is fielding calls and happy to be
6 available to offer additional explanation or to receive
7 additional comment. But so too are the co-leads for
8 the relevant workstreams.

9 So again, for CCP Risk and Governance that
10 would be Alessandro Cocco and our Chair, Alicia
11 Crighton. For Market Structure that would be Bis
12 Chatterjee and Ann Battle. For the Future of Finance
13 Subcommittee it's Jai Massari and Rebecca Rettig. And
14 we are hopeful that if you have comments or feedback
15 for the Climate-Related Market Risk Subcommittee that
16 you will direct those to Peter Janowski, who supports
17 the MRAC as ADFO but also serves as Trial Counsel in
18 the Division of Enforcement.

19 So there are agents standing at the ready to
20 receive your comments and feedback and to ensure that
21 ahead of transmitting anything to the Commission we
22 have gotten every bit of feedback that the MRAC members

1 might want to share. So I wanted to share that ahead
2 of everything else.

3 I am really grateful that you are rolling up
4 your sleeves, as MRAC members, and want to encourage
5 anyone who is interested in serving on any of the
6 subcommittees to please make yourself known to Tamika
7 or to share with my office your interest in serving on
8 a subcommittee. There is, as you have seen over the
9 course of today's meeting, plenty of work to do. Our
10 sleeves are rolled up, we have begun to chart a course,
11 we are developing important work.

12 And we really very much want to ensure,
13 consistent with the MRAC's charter, that every
14 viewpoint and perspective is represented, inclusive of
15 perspectives that may not be part of a consensus, that
16 maybe part of a minority. Those viewpoints also are
17 intended to be captured in any final distribution to
18 the Commission. So we want to ensure that if you feel
19 there is a subcommittee that has a missing viewpoint or
20 should include a perspective, we would welcome that, as
21 well.

22 At the beginning of the meeting I said very

1 quickly, at the end of my remarks, a thank you to the
2 logistics and administrative staff and the contractors
3 who ensure that our physical conference room and our
4 virtual conference room are ready to go for each and
5 every meeting. I'd like to take just a moment now to
6 thank them again by name, largely because they support
7 not just the MRAC or the other advisory committees of
8 the Commission but every public meeting that the
9 Commission hosts, the same group of folks works
10 tirelessly behind the scenes to ensure seamless
11 execution of those meetings.

12 So Altonio Downing, Monet Mills, Andy
13 Brighton, Keane McBride, Venise Raphael-Constant,
14 Margie Yates, Jean Cespedes, Pete Santos, and Ty Poole,
15 thank you very much for the work that you are doing
16 behind the glass here in the room and across the
17 country as you support the execution of our meetings,
18 today for MRAC, tomorrow for EMAC, Thursday for the
19 Agricultural Advisory Committee, and then I think
20 shortly not long thereafter for TAC, as well. So thank
21 you so much for your tireless efforts to ensure our
22 meetings run smoothly and effectively.

1 With that I would just like to thank everyone
2 working on a workstream, all of those who have
3 contributed feedback today or might suggest or offer
4 feedback in the coming weeks. We are grateful for your
5 time.

6 And I think, in a first instance ever, we are
7 actually closing our meeting out ahead of time rather
8 than begging people not to run off to their trains. So
9 we hope you will remember this moment of grace at a
10 future moment when we are running behind schedule.

11 But thank you so much for your service. We
12 recognize you have full-time day jobs, and we
13 appreciate that you've taken time, your expertise, and
14 your talent to help facilitate the Commission's
15 successful execution of its work in accordance with its
16 statutory mandate and regulations.

17 I am going to turn the meeting back over to
18 the DFO and ADFO who might have closing words to end
19 the meeting.

20 MR. JANOWSKI: Thank you, Commissioner.
21 Thank you, Chair Crighton. I want to thank everyone
22 for attending the first MRAC meeting of 2024, and the

1 meeting is adjourned.

2 [Whereupon, at 11:54 a.m., the meeting was
3 adjourned.]

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