MINUTES OF THE REGULAR MEETING
OF THE
FARM CREDIT ADMINISTRATION BOARD
March 12, 2020

These minutes reflect the business transacted at the March 12, 2020, Regular Meeting of the Farm Credit Administration Board (FCA Board) pursuant to the Government in the Sunshine Act, 5 U.S.C. § 552b, and the regulations of the Farm Credit Administration (FCA) adopted thereunder.

The FCA Board meeting was held at the FCA office in McLean, Virginia, beginning at 9:00 a.m. and concluding at 10:02 a.m. Members of the Board present were:

Glen R. Smith, Chairman and Chief Executive Officer
Jeffery S. Hall, Member

Others present included Charles Rawls, General Counsel; Dale Aultman, Secretary to the Board; staff of the FCA and the Farm Credit System Insurance Corporation (FCSIC); and four members of the general public. (A list of staff attendees is attached as Exhibit A.)

Chairman Smith discussed four significant Combined Federal Campaign awards received by FCA and FCSIC and thanked staff for their participation. Chairman Smith specifically thanked Patrina Clark, Deputy Director in the Office of Agency Services, for leading the campaign.

With no objection from the Board, Chairman Smith asked Robert Coleman, Chief Operating Officer, to spend a few minutes highlighting FCA efforts regarding the Coronavirus (COVID-19), and guidance being provided to staff. The highlights were based on a communication sent to all staff that morning, which Chairman Smith directed the Secretary (without objection) to attach the minutes. (Attached as Exhibit B.)

The Secretary read a statement that announced the meeting would be conducted according to the requirements of the Government in the Sunshine Act.

Chairman Smith reviewed the published Agenda. (A copy of the Public Announcement publishing the Agenda for the meeting is attached as Exhibit C.)

Mr. Hall moved to adopt the Agenda as published.

Chairman Smith seconded the motion.

There being no further discussion, Chairman Smith called the question.
The Secretary polled the Board Members and the motion carried unanimously.

Mr. Hall noted that the Agenda did not include any portions of the meeting that should be closed to the public as permitted by the Government in the Sunshine Act and therefore moved that the entire meeting remain open.

Chairman Smith seconded the motion.

There being no further discussion, Chairman Smith called the question.

The Secretary polled the Board Members and the motion carried unanimously.

OPEN SESSION

Approval of Minutes
Minutes for February 13, 2020 Regular Board Meeting
(BM-12-MAR-20-01)

Mr. Hall moved to approve the minutes for the February 13, 2020, FCA Regular Board Meeting.

Chairman Smith seconded the motion.

There being no further discussion, Chairman Smith called the question.

The Secretary polled the Board Members and the motion carried unanimously. (BM-12-MAR-20-01)

(A copy of the official “Board Action Item” is attached as Exhibit D.)

Reports
Swap Margin Rule Update - LIBOR, Brexit, and Other Current Matters


Chairman Smith asked if there were any questions or further discussion from the Board.

There were no further questions or discussion.

(A copy of the presentation is attached as Exhibit E.)

FCS Funding Conditions Update and Analysis

David Lewandrowski of the Office of Regulatory Policy presented FCS Funding Conditions Update and Analysis.

Chairman Smith asked if there were any questions or further discussion from the Board.

There were no further questions or discussion.

(A copy of the presentation is attached as Exhibit F.)
ADJOURNMENT

There being no further business to come before the Board, Chairman Smith indicated he would entertain a motion to adjourn the meeting.

Mr. Hall moved that the meeting be adjourned.

Chairman Smith seconded the motion.

Chairman Smith called the question.

The Secretary polled the Board Members and the motion carried unanimously.

The meeting adjourned at 10:02 a.m.

NOTATIONAL VOTE ACTIONS

There were two notational vote actions approved by the FCA Board from February 13, 2020, through March 11, 2020 as follows:

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Action Date</th>
<th>Voting Results</th>
<th>Subject</th>
</tr>
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<tbody>
<tr>
<td>NV 20-06</td>
<td>2/25/2020</td>
<td>Approved</td>
<td>Move date of November 2020 FCA Board meeting from November 12 to November 19, 2020</td>
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The undersigned hereby certify that the foregoing minutes are the official minutes of the Regular Meeting of the Farm Credit Administration Board held on March 12, 2020.

/s/ Glen R. Smith
Board Chairman and
Chief Executive Officer

/s/ Dale L. Aultman
Secretary to the Board

Approved: April 16, 2020
# STAFF PRESENT AT THE
# FCA REGULAR BOARD MEETING
# March 12, 2020

Glen R. Smith, Board Chairman / CEO
Jeffery S. Hall, Board Member

<table>
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<tr>
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<td>Wynn, Wade</td>
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<td>GENERAL PUBLIC</td>
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Exhibit B

FCA Measures to Protect Employees from the Coronavirus (COVID-19)
Message from Chief Operating Officer Robert Coleman to Staff
March 12, 2020

As the number of cases of COVID-19 continue to grow in the United States, FCA has taken several measures to protect employees from possible infection. Effective this weekend, we have instituted a two-week moratorium on business travel, and effective immediately, we have issued an indefinite moratorium on in-person training.

See the following guidance regarding the travel and training moratoriums and other measures to protect your health. We are monitoring this rapidly changing situation closely and will provide further guidance as necessary.

Your well-being
If you have cold or flu-like symptoms, please stay home. Telework if you are able. If you are not able to telework and need to use sick or annual leave, FCA managers will be flexible. We will also look to OPM to provide guidance on additional leave options if necessary. The leave bank could provide options in some cases.

If a supervisor observes that you are showing symptoms of illness, the supervisor may place you on excused absence or ask you to telework. The duration of the absence would depend on the circumstances but would likely be a short period.

Travel
The agency has instituted a two-week moratorium on all business travel. We will reevaluate this position as conditions change.

If you travel to a high-risk location (whether for business or personal reasons), notify your supervisor immediately. You may be asked to telework for 14 days upon your return.

Training
The agency has instituted a moratorium on all in-person training until further notice. If you are currently registered to attend in-person training sponsored by outside vendors, please work with the OAS Learning and Organizational Change Team to cancel or postpone the training until further notice. You may be able to take the same training online.

Face-to-face meetings
Avoid meetings involving groups of more than 20 people. When possible, communicate using email, phone, or Skype.

Special circumstances
Please contact your supervisor or the Human Resources Division to discuss telework or leave options if you are unable to come to work for any of the following reasons:
- Schools or day care centers are closed, and you need to care for a child.
- You need to care for other dependents, and other services are unavailable.
- Public transportation is sporadic or unavailable, and you are unable to travel to work.
- You, or a member of your household, fall into one of the categories identified by the CDC as being at high risk for serious complications from the pandemic coronavirus.
- You have been advised by public health authorities not to come to work because you belong to one of the following high-risk categories:
  - Pregnant women
  - Persons with compromised immune systems due to cancer, HIV, history of organ transplant or other medical conditions
  - Persons less than 60 years of age with underlying chronic conditions
  - Persons over 60

Telework readiness
Be prepared to telework at any time. Supervisors have the authority and are encouraged to allow for telework, including extended telework as circumstances and conditions may require.
PUBLIC ANNOUNCEMENT OF
MEETING SUBJECT TO THE GOVERNMENT IN THE SUNSHINE ACT

Farm Credit Administration Board
Regular Meeting
March 12, 2020

Summary: Notice is hereby given, pursuant to the Government in the Sunshine Act (5 U.S.C. Sec. 552b(e) (1)), of the forthcoming regular meeting of the Farm Credit Administration Board.

Date and Time: The regular meeting of the Board will be held March 12, 2020. The meeting is scheduled to be held at the office of the Farm Credit Administration in McLean, Virginia, from 9:00 a.m. until such time as the Board may conclude its business.

Address: Farm Credit Administration, 1501 Farm Credit Drive, McLean, Virginia 22102-5090. Submit attendance requests via e-mail to VisitorRequest@FCA.gov. See SUPPLEMENTARY INFORMATION for further information about attendance requests.

For Further Information Contact: Dale Aultman, Secretary to the Farm Credit Administration Board (703) 883-4009. TTY is (703) 883-4056.

Supplementary Information: This meeting of the Board will be open to the public (limited space available). Please send an e-mail to VisitorRequest@FCA.gov at least 24 hours before the meeting. In your e-mail include: name, postal address, entity you are representing (if applicable), and telephone number. You will receive an e-mail confirmation from us. Please be prepared to show a photo identification when you arrive. If you need assistance for accessibility reasons, or if you have any questions, contact Dale Aultman, Secretary to the Farm Credit Administration Board, at (703) 883-4009. The matters to be considered at the meeting are:

OPEN SESSION

Approval of Minutes
1 February 13, 2020

Reports
2 Swap Margin Rule Update - LIBOR, Brexit, and Other Current Matters
3 FCS Funding Conditions Update and Analysis

/s/ March 2, 2020
Dale Aultman
Secretary to the Board
Effective Date: March 12, 2020
Effect on Previous Action: None

THE FCA BOARD HEREBY:
Approves the minutes for February 13, 2020, regular Board Meeting.

DATED THIS 12th DAY OF MARCH 2020
BY ORDER OF THE BOARD

/s/
Dale L. Aultman
Secretary to the Board
Swap Margin Rule Update:
LIBOR, Brexit, and Other Current Matters

FCA Board Meeting
March 12, 2020
Clayton Milburn, Senior Financial Analyst,
Finance and Capital Markets Team
Outline

- Clarifying Scope and Terminology
- Current Proposed Rule - LIBOR and Legacy Swap Amendments, Inter-affiliate Initial Margin
- March 2019 Interim Final Rule – “Brexit” and Legacy Swap Amendments
Clarifying Scope & Terminology

Rule Scope: Establishes margin requirements for the non-cleared swap and security-based swap activities of Covered Swap Entities.

Covered Swap Entity (CSE)

- **Swap Dealer / Security-Based Swap Dealer**: Generally, an entity that makes a market in swaps.
- **Major Swap Participant**: Generally, an entity that maintains a “substantial position” in any major swap category (i.e., interest rate swaps).

Excepted or Exempted Swaps: As outlined in FCA Regulation § 624.1(d).

- **Small Institution** - FCS Institutions with Total Assets < $10 billion.
- **Cooperative** - FCS Institutions with Total Assets > $10 billion (swaps entered into for the benefit of FCS institution members).

**NOTE**: Farmer Mac *is not* exempted or excepted under either of these provisions.
Clarifying Scope & Terminology

**Variation Margin:** Covers day-to-day changes in market value.

**Initial Margin:** Covers costs to replace swap upon counterparty default.

**Legacy Swap:** Any non-cleared swap entered into before the relevant compliance date outlined in the swap margin rule.
Current Proposed Rule - Overview

- Amendments to Preserve Legacy Status:
  - Swaps Amended to Accommodate a Change in Referenced Benchmark Interest Rates ("LIBOR" Amendments).
  - Swaps Amended as Part of Standard "Lifecycle" Events.

- Amendment to Extend the Initial Margin Compliance Phase-In.

- Amendment to Clarify Initial Margin Contract Requirements.

- Amendment to Exempt Inter-Affiliate Swaps from Margin Requirements.
Current Proposed Rule – “IBOR” Amendments

• **Policy Objective:** Accommodate transition of legacy swaps away from Inter-Bank Offered Rates (IBORs) like LIBOR due to their potential discontinuation.

• **Amendment Detail:** Allow amendments, via various contractual means, to replace certain referenced rates in legacy swaps without triggering margin requirements.

• **Public Response:** Respondents generally support the Agencies’ proposal.

• **Policy Objective:** Accommodate amendments to legacy swaps that reduce operational or counterparty risk.

• **Amendment Detail:** Permit amendments to legacy swaps arising from routine industry practices over the life-cycle of a non-cleared swap without triggering margin requirements:
  • Compression Exercises.
  • Notional Reductions.
  • Technical Amendments.

• **Public Response:** Limited, and generally supportive.
Current Proposed Rule – Initial Margin Contract Requirements

• **Policy Objective:** To address market concerns regarding when initial margin trading documentation must be in place for CSEs and their counterparties.

• **Amendment Detail:** Amend regulation text to expressly state when initial margin trading documentation must be executed; specifically at the time when initial margin must be collected or posted under the Swap Margin Rule.

• **Public Response:** Commenters supported the Agencies’ proposal.
Current Proposed Rule – Initial Margin Phase-In Extension

- **Policy Objective:** Address industry concerns regarding the operational and other difficulties associated with beginning to exchange initial margin with a large number of relatively small counterparties.

- **Amendment Detail:** Extend the Initial Margin phase-in schedule to give CSEs an additional year to implement initial margin requirements with smaller counterparties.

- **Public Response:** Commenters supported the Agencies’ proposal.
Current Proposed Rule – Inter-Affiliate Initial Margin Requirements

• **Policy Objective:** Encourage prudent risk management; harmonize U.S. requirements with other international jurisdictions.

• **Amendment Detail:** Exempt non-cleared swaps between CSEs and their affiliates from Initial Margin requirements [variation margin still required]; expand the definition of “affiliate.”

• **Public Response:** Mixed
  - **In Favor:** IAIM requirements are unnecessary, discourage sound risk management, put U.S. firms at a competitive disadvantage, and increase costs to end-users.
  - **Opposed:** Eliminating IAIM increases risk to U.S. depository institutions [and thus U.S. Taxpayers] and increases overall systemic risk.
“Brexit” Interim Final Rule

• **Policy Objective:** Address industry concerns regarding the legacy status of swaps transferred from swap counterparties in the U.K. to affiliates in the E.U. or U.S. in preparation for a non-negotiated U.K. exit from the E.U. (a “Hard Brexit”).

• **Amendment Detail:** Permit amendments to legacy swaps to effect a transfer from a U.K. entity to an affiliate located in the E.U. or the U.S. without triggering margin requirements.

• **Public Response:** None.
Questions?

• Tim Nerdahl – Senior Policy Analyst  
  nerdahlt@fca.gov or (952) 259-0435

• Clayton Milburn – Senior Financial Analyst  
  milburnc@fca.gov or (916) 604-3142

• Jeremy Edelstein – Associate Director, Office of Regulatory Policy  
  Finance and Capital Markets Team  
  edelsteinj@fca.gov or (703) 883-4497

• Richard Katz – Senior Counsel  
  katzr@fca.gov or (703) 883-4085
FCS Funding Conditions
Update and Analysis
Recent High Finance Headlines

“Stocks Suffer Biggest Weekly Losses Since 2008”
Recent High Finance Headlines

“The Week That Wiped $3.6 Trillion Off the Stock Market”
Recent High Finance Headlines

“Federal Reserve Cuts Rates by Half Percentage Point to Combat Virus Fear”
“Central Bank Lowers Federal-Funds Rate Range to 1% to 1.25% in its First Between-Meeting Move Since the Financial Crisis”
“Yield on 10-Year Treasury Dips Below 1% for First Time in Sign of Anxiety”
Recent High Finance Headlines

“Congress Reaches $8 Billion Deal to Combat Coronavirus”
Recent High Finance Headlines

“Riyadh Prepares Emergency Budget for Oil at $12 to $20 a Barrel; ‘It’s all about egos now’”
Recent High Finance Headlines

“U.S. Treasury Likely to Push Back April 15 Tax Filing Deadline, Sources Say”
Funding Update Topics

- Global Market
- Agency Debt Market
- Yields & Spreads on FCS Debt
- Funding Corporation Activity
- FCS Liquidity
- LIBOR/SOFR
- Coronavirus
Global Market

- Federal Reserve
- U.S. Treasury
- China
Credit Rating Agencies - Outlook for the United States

- Standard & Poors – AA+
  Outlook – Stable

- Moody’s – Aaa
  Outlook – Stable

- Fitch – AAA
  Outlook – Stable
System High Level Financials

- **Assets** – $365.5 billion (+4.7%)
- **Loans** – $286.9 billion (+4.9%)
- **A.L.L.** – $1.8 billion (+5.4%)
- **Cash & Invts.** – $68.3 billion (+2.7%)
- **Capital** – $61.7 billion (+5.6%)
- **Net Income** – $5.4 billion (+2.1%)
## Agency Debt Issuance

<table>
<thead>
<tr>
<th>Billions of Dollars</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
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<td>F.H.L.B.</td>
<td>$3,858</td>
<td>$4,389</td>
<td>$6,797</td>
<td>$7,855</td>
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<td>Fannie Mae</td>
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<td>655</td>
<td>710</td>
<td>556</td>
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<tr>
<td>Freddie Mac</td>
<td>604</td>
<td>597</td>
<td>480</td>
<td>413</td>
<td>515</td>
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<tr>
<td>FCS</td>
<td>298</td>
<td>334</td>
<td>278</td>
<td>308</td>
<td>364</td>
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<td>Total</td>
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<td>$5,641</td>
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Source: Agency Websites
# Agency Debt Outstanding

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Source: Agency Websites
Funding Corp.’s Dealer Group

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<thead>
<tr>
<th>BNY Mellon Capital Mkts, LLC</th>
<th>Mizuho Securities USA Inc.</th>
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<tr>
<td>Barclays Capital Inc.</td>
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<td>Cantor Fitzgerald &amp; Co</td>
<td>NatWest Market Securities Inc.</td>
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<td>Citigroup Global Mkts.</td>
<td>Nomura Securities Inter. Inc.</td>
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<td>Deutsche Bank Securities Inc.</td>
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<td>First Horizon Bank</td>
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<td>HSBC Securities (USA) Inc.</td>
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<td>INTL FCStone Fin. Inc. - BD Rates Div.</td>
<td>SunTrust Robinson Humphrey Inc.</td>
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<td>Incapital LLC</td>
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¹ Includes Linked Deposits

Source: FFCBFC Website
FCS Debt Yields Pushed Lower

FCS Debt Yield Curve for 3/4/2020

- 3/6/19
- 9/9/19
- 3/4/20

[Graph showing debt yields for different periods with dates indicated.]
Thin Risk Premiums

FCS Basis Points Spread over Treasuries

-10 0 10 20 30 40 50 60 70

Heavy Call Activity

- Calls in ‘19 – $ 54 billion
- Calls in ‘18 – $ 29 million
- Calls in ‘17 – $ 5 billion
- Calls in ‘16 – $ 58 billion
- Calls in ‘15 – $ 34 billion
- Net Interest Spreads
  - 2.04 % for ’19, 2.12% for ’18, 2.25% for ’17, 2.31% for ‘16, 2.40% for ‘15.
- Net Interest Margins
  - 2.42 % for ’19, 2.46% for ’18, 2.48% for ’17, 2.49% for ‘16, 2.55% for ‘15
Weighted average maturity of FCS Debt

- Dec./2019 – 2.82 years
- Dec./2018 – 2.86 years
- Dec./2017 – 2.88 years
- Dec./2016 – 2.72 years
- Dec./2015 – 2.81 years
Debt Maturity

- Percentage of FCS debt maturing within 1 year.
  - Dec./2019 – 38.8 percent
  - Dec./2018 – 38.8 percent
  - Dec./2017 – 39.1 percent
  - Dec./2016 – 40.3 percent
  - Dec./2015 – 37.6 percent
Days of Liquidity

- As of 12/31/19 System = 177 (166) days:
  - AgFirst = 222(197) days, AgriBank = 166(135) days, FCB of TX = 211(196) days, CoBank = 176(168) days

- As of 12/31/18 System = 182(169) days:
  - AgFirst = 217(192) days, AgriBank = 160(135) days, FCB of TX = 241(226) days, CoBank = 177(169) days
Secure Overnight Financing Rate use growing slowly.

Under 2 years until LIBOR’s official R.I.P. date.

Global U.S. LIBOR referenced instruments still dominate.

System’s J & S LIBOR directly based debt totals $77 billion.

Funding Corp. issued just under $8 billion in SOFR indexed bonds in 2019.
Coronavirus

- Global Issue
- Major Economic Shock
- Still Evolving
FCS Debt Yields Move Upward

FCS Debt Yield Curve for 3/11/2020

- 3/9/20
- 3/10/20
- 3/11/20
Risk Premiums Steady

FCS Basis Points Spread over Treasuries

- 3/9/2020
- 3/10/2020
- 3/11/2020
Summary

- Strong Demand for FCS Debt
- FCS Debt Yields Falling
- Risk Premiums Remain Favorable
- Interest Rate Spreads Continued to Narrow
- Bottom Line Benefitted Less
- Substantial Liquidity
- SOFR’s Slow Acceptance
- Coronavirus Wildcard