

**Exhibit 3A**

This Exhibit contains one electronic file embedded in this cover page for filing efficiency, as identified below. OCC has omitted the embedded file pursuant to 17 CFR 240.24b-2. OCC has separately filed and requested confidential treatment of the cover page containing the embedded file as protected from public disclosure by Exemptions 4 and 8 of the Freedom of Information Act (“FOIA”), 5 U.S.C. 552(b)(4), (b)(8), and 15 U.S.C. 78x(e) because the information it contains concerns (i) OCC’s trade secrets and commercial information not customarily released to the public and is, and always has been, treated as the private information of OCC, the release of which is likely to cause foreseeable harm to OCC’s commercial or financial interests; and (ii) the supervision of OCC, a financial institution regulated by the Commission. OCC believes the Form 19b-4 Information and Exhibit 1A provide a clear and adequate description of the relevant substance of the embedded file to facilitate meaningful public comment.

Embedded File: **[Redacted Pursuant to Rule 24b-2]**

- Short Dated Options Study; 23 pages.

**Exhibit 3B**

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Embedded File: **[Redacted Pursuant to Rule 24b-2]**

- Implied Volatilities Scenarios Model whitepaper; 106 pages.

**Exhibit 3C**

This Exhibit contains one electronic file embedded in this cover page for filing efficiency, as identified below. OCC has omitted the embedded file pursuant to 17 CFR 240.24b-2. OCC has separately filed and requested confidential treatment of the cover page containing the embedded file as protected from public disclosure by Exemptions 4 and 8 of the Freedom of Information Act (“FOIA”), 5 U.S.C. 552(b)(4), (b)(8), and 15 U.S.C. 78x(e) because the information it contains concerns (i) OCC’s trade secrets and commercial information not customarily released to the public and is, and always has been, treated as the private information of OCC, the release of which is likely to cause foreseeable harm to OCC’s commercial or financial interests; and (ii) the supervision of OCC, a financial institution regulated by the Commission. OCC believes the Form 19b-4 Information and Exhibit 1A provide a clear and adequate description of the relevant substance of the embedded file to facilitate meaningful public comment.

Embedded File: **[Redacted Pursuant to Rule 24b-2]**

- S&P 500 Implied Volatility Simulation Model whitepaper; 134 pages.

**Exhibit 3D**

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Embedded File: **[Redacted Pursuant to Rule 24b-2]**

- VIX Futures Price Shocks whitepaper; 31 pages.

**Exhibit 3E**

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Embedded File: **[Redacted Pursuant to Rule 24b-2]**

- Volatility Shocks whitepaper; 73 pages.

**Exhibit 3F**

This Exhibit contains one electronic file embedded in this cover page for filing efficiency, as identified below. OCC has omitted the embedded file pursuant to 17 CFR 240.24b-2. OCC has separately filed and requested confidential treatment of the cover page containing the embedded file as protected from public disclosure by Exemptions 4 and 8 of the Freedom of Information Act (“FOIA”), 5 U.S.C. 552(b)(4), (b)(8), and 15 U.S.C. 78x(e) because the information it contains concerns (i) OCC’s trade secrets and commercial information not customarily released to the public and is, and always has been, treated as the private information of OCC, the release of which is likely to cause foreseeable harm to OCC’s commercial or financial interests; and (ii) the supervision of OCC, a financial institution regulated by the Commission. OCC believes the Form 19b-4 Information and Exhibit 1A provide a clear and adequate description of the relevant substance of the embedded file to facilitate meaningful public comment.

Embedded File: **[Redacted Pursuant to Rule 24b-2]**

- Idiosyncratic Stress Scenarios whitepaper; 55 pages.