

WELLS FARGO BANK, NATIONAL ASSOCIATION
CERTIFIED EXTRACT OF BY LAWS

The undersigned hereby certifies that he is a Vice President and Assistant Secretary of Wells Fargo Bank, National Association, a national banking association, (the "Bank"), and certifies that:

1. Gail Klewin is a Vice President and a Signing Officer as defined below. Below is a specimen of her signature:

Gail Klewin

Vice President



2. The following is a true and correct extract from by laws duly adopted by the Board of Directors of the Bank on November 25, 2003, as amended May 24, 2005, and no modification, amendment, rescission or revocation of such resolutions has occurred affecting such extract as of the date of this certificate.

RESOLVED, that for the purposes of these resolutions, "Executive Officer" shall mean any person specifically designated as an Executive Officer of the Bank by resolution of the Board of Directors, and "Signing Officer" shall mean the Chairman of the Board, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, the Treasurer, any Vice President, any Assistant Vice President, any person whose title includes the word "Officer" (e.g., Commercial Banking Officer, Personal Banking Officer, Trust Officer), or any other person whose title has been or is hereafter designated by the Board of Directors as a title for an officer of the Bank, and such officers are hereby authorized to sign agreements, instruments, and other documents on behalf of the Bank in accordance with the signing authorities conferred in Parts A, B and C of these resolutions;

* * *

C. Signing Officers

FURTHER RESOLVED, that any Signing Officer, acting alone, may execute on behalf of the Bank, whether acting for its own account or in a fiduciary or other representative capacity:

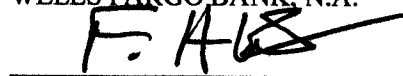
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Trust indentures, declarations of trust, trust and agency agreements, pooling and servicing agreements, fiscal and paying agency agreements, acceptances thereof, consents thereto and any similar agreements, however denominated, to which the Bank is a party in a fiduciary or other representative capacity; certificates of authentication or other indicia of valid issuance with respect to bonds, notes, debentures and other securities or obligations issued under any indenture, mortgage, trust or other agreement; certificates for securities deposited, interim certificates and other certificates for and on behalf of the Bank as depository or agent; countersignatures of stocks, bonds, notes, debentures, voting trust certificates, participation certificates and other certificates, instruments, obligations or other securities on behalf of the Bank as trustee, fiscal and paying agent, transfer agent, registrar or in another similar capacity; and certificates of cancellation and cremation of stocks, bonds, debentures or other securities.

IN WITNESS WHEREOF, I have hereunto set my hand this 13th day of May, 2016.

WELLS FARGO BANK, N.A.

By:



F. Henry Kleschen III

Its:

Assistant Secretary