## **CIFC Funding 2019-V Rating Report**

Tranche Name	EJR Final Rating Non-NRSRO Rating
A1R1	AAA (sf)
A1RJ	AAA (sf)
A2RS	AAA (sf)
A2RF	AAA (sf)
BR	A+ (sf)
CR	BB+ (sf)
DR	BB (sf)



Ratings Group Contact ratings@egan-jones.com (844) 495 5244

Prepared on 02/15/22

Copyright Egan-Jones Ratings (EJR). No secondary distribution. The above EJR ratings are Non-NRSRO.

#### **Rating Summary**

Tranche Name	EJR Implied Rating	EJR Final Rating NonNRSRO Rating	Other NRSROs EJR Equivalent Rating	Current Interest OC (%)	Current Principal OC (%)	Subordir	rrent lation <sup>1</sup> (%) ets at Par	Interest Rate
A1R1	AAA	AAA	AAA	122.7	297.8	37.4	38.0	L_3MO + 1.14
A1RJ	AAA	AAA	AAA	122.7	297.8	34.4	35.0	L_3MO + 1.40
A2RS	AAA	AAA	AA	122.7	297.8	23.3	24.0	L_3MO + 1.75
A2RF	AAA	AAA	AA	122.7	297.8	23.3	24.0	N/A
BR	A+	A+	А	122.7	297.8	17.8	18.5	L_3MO + 2.15
CR	BB+	BB+	BBB-	114.3	256.5	11.7	12.5	L_3MO + 3.15
DR	BB	BB	BB-	108.7	N/A	7.2	8.0	L_3MO + 6.78

Note: The data used in the analysis of this report was updated on

1. Current Subordination = (Collateral Value- (Pari-Passu Balance + Senior Balance)) / Collateral Value

MV = Market prices reported by the trustee on the latest report (when available)

Par = Par Value

#### **Transaction Summary**

We are providing the rating of CIFC Funding 2019-V as a Non-NRSRO rating. The transaction closed on September 19, 2019. It had a reinvestment period, which ended on January 15, 2027. It has a maturity date of January 15, 2035. The Dealer and Trustee are BofA Merrill Lynch and Bank of New York Mellon Trust Company, respectively.

#### **Quantitative Analysis**

#### **Key Credit Metrics**

Metrics	Number
SENIOR TRANCHE SUBORDINATION (%)	34.4
DIVERSITY SCORE	69
EJR WEIGHTED AVERAGE RATING SCORE	3812.2
WEIGHTED AVERAGE LIFE (Years)	4.8
CCC+ OR LESS (%)	4.1

As of February 15, 2022, the total balance of the underlying assets was approximately \$506.2M. The diversity score of the portfolio was 69. EJR's weighted average rating score and weighted average life (years) of the collateral were 3812 and 4.8, respectively. Approximately 4.1% of the portfolio's assets were rated CCC+ or less by other NRSROs. Senior tranche subordination was 34.41%.

#### **Portfolio Characteristics**

#### **Industry Concentration**

Top 5 asset industries	Current Balance (M)	Percentage (%)	Gross Coupon (%)	Gross Margin	Market Price (\$)
Healthcare & Pharmaceuticals	85.1	16.8	4.0	3.5	99.1
Banking, Finance, Insurance & Real Estate	76.5	15.1	3.8	3.4	99.2
Services: Business	55.5	11.0	4.3	3.8	99.4
High Tech Industries	54.8	10.8	4.2	3.7	99.7
Media: Broadcasting & Subscription	32.9	6.5	3.3	2.9	99.2

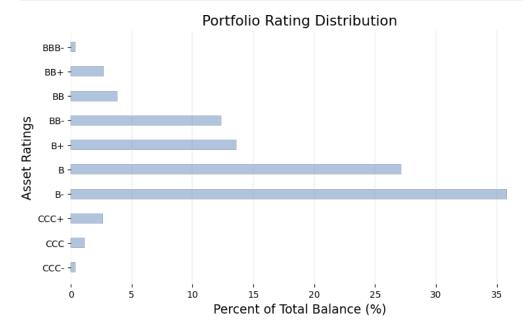
#### Top 10 Industry Contribution



The top 5 industries constituted 60.2% of the underlying portfolio with a total current balance of \$304.8M. The top 5 industries are Healthcare & Pharmaceuticals. Banking, Finance, Insurance & Real Estate. Services: Business. High Tech Industries. Media: Broadcasting & Subscription, The industries constituted 10 top 75.7% of underlying portfolio with total current balance а of \$383.0M.

#### **Rating of Underlying Assets**

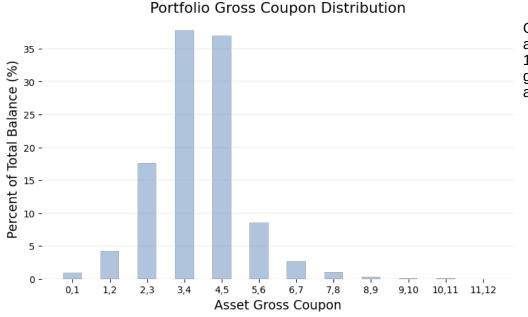
Bottom 5 asset ratings	Current Balance (M)	Percentage (%)	Gross Coupon (%)	Gross Margin	Market Price (\$)
В	137.3	27.1	4.1	3.6	99.6
B-	181.5	35.8	4.6	4.1	99.3
CCC+	13.4	2.7	4.6	3.9	95.3
CCC	5.7	1.1	5.5	5.0	92.8
CCC-	1.8	0.4	3.8	2.8	85.4



The current ratings of the underlying assets range from BBB- to CCC-. An amount equal to 4.1% of the underlying assets have ratings equal to or below CCC+, with a total balance of \$21.0M. (Note: The current current ratings are other NRSROs ratings as of February 01, 2022.)

#### **Gross Coupon of Underlying Assets**

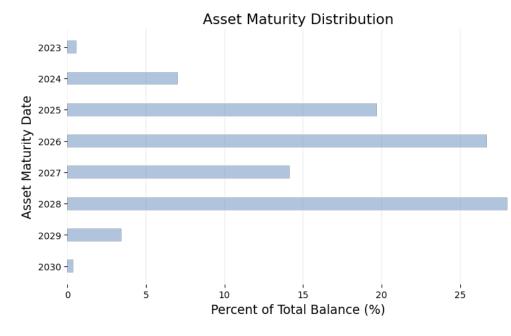
Top 5 Gross Coupon Range	Current Balance (M)	Percentage (%)	Gross Coupon (%)	<b>Gross Margin</b>	Market Price (\$)
≥3% but <4%	191.1	37.8	3.6	3.2	99.2
≥4% but <5%	187.0	36.9	4.4	3.8	99.2
≥2% but <3%	89.0	17.6	2.6	2.3	99.2
≥5% but <6%	43.2	8.5	5.3	4.6	98.9
≥1% but <2%	21.0	4.1	1.8	1.7	98.5



Gross coupon of the underlying assets ranges from 0.0% to 10.0%. The weighted average gross coupon of the portfolio is approximately 3.8%.

#### Maturity of Underlying Assets by Current Balance

Top 5 Asset Maturity Range	Current Balance (M)	Percentage (%)	Gross Coupon (%)	<b>Gross Margin</b>	Market Price (\$)
2028	141.7	28.0	3.9	3.4	99.6
2026	135.2	26.7	3.8	3.5	99.1
2025	99.9	19.7	3.7	3.3	98.1
2027	71.7	14.2	4.1	3.6	99.5
2024	35.5	7.0	4.3	3.6	97.3



The underlying assets have maturity dates from October 06, 2023 to January 20, 2030. 9.0% of the underlying assets will mature within 3 years, while another 43.3% of the underlying assets have maturities beyond 5 years.

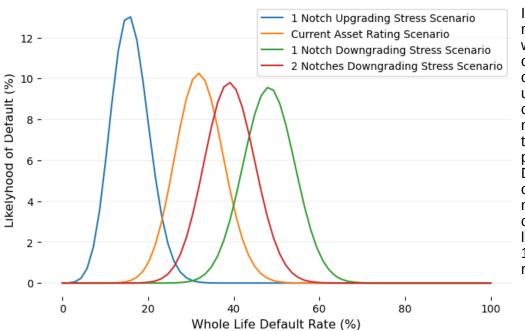


#### **Senority of Underlying Assets**

	Current Balance (M)	Percentage (%)	Gross Coupon (%)	Gross Margin	Market Price (\$)
Senior Secured	505.9	100.0	4.0	3.5	99.2
Senior Subordinate	0.2	0.0	7.5	7.0	98.9

There are 684 non-default assets (with seniority information available) in the underlying collateral pool, 100.0% are senior secured loans, and 0% with lower seniority.

#### Sensitivity Analysis



Portfolio Whole Life Default Rate Distribution

In EJR's view, ratings on loans may be upgraded or downgraded with little notice. In EJR's optimistic case, we assumed an notch upgrade one to the underlying assets. In EJR's stress casees, we assumed one or two notch cut to the underlying assets reflect possible market to pressure. According to EJR's Default Probability Table, the optimistic case, base case, one notch cut and two notches cut casees weighted average whole life default rate of probability are 15.9%, 32.1%, 48.2% and 39.1%, respectively.

#### **Estimated Loss Information**

Estimated loss is one of the key considerations in EJR's structured finance ratings. In times of stress when economic conditions are deteriorating, default rates and loss severity are more likely to increase relative to a portfolio's initial or base case default and loss severity levels. EJR believes a tranche with higher rating should be able to withstand greater stress and sustain lower losses than a tranche with a lower rating. For example, a tranche with AAA rating should be able to survive the great depression scenario (the highest default and loss severity levels experienced if they were to occur in the future). A 'AA' rated tranche would be more susceptible to an adverse economic impact than the 'AAA' rated tranche, but nonetheless should be able to withstand such effects better than a tranche with a lower rating. EJR creates different stress levels based on different target tranche ratings (from AAA to B+). The detailed estimated loss (%) information of each tranche under each stress level is detailed in the below table:

Stress Level	A1R1	A1RJ	A2RS	A2RF	BR	CR	DR
AAA (sf) Stress	0	0	0	0	39.9	88.0	91.8
AA+ (sf) Stress	0	0	0	0	16.5	77.6	90.8
AA (sf) Stress	0	0	0	0	13.7	75.7	90.7
AA- (sf) Stress	0	0	0	0	11.1	73.6	90.5
A+ (sf) Stress	0	0	0	0	0	49.6	88.5
A (sf) Stress	0	0	0	0	0	46.5	88.0
A- (sf) Stress	0	0	0	0	0	43.3	87.4
BBB+ (sf) Stress	0	0	0	0	0	13.5	80.5
BBB (sf) Stress	0	0	0	0	0	10.7	79.0
BBB- (sf) Stress	0	0	0	0	0	8.0	77.4
BB+ (sf) Stress	0	0	0	0	0	0	36.9
BB (sf) Stress	0	0	0	0	0	0	7.3
BB- (sf) Stress	0	0	0	0	0	0	0
B+ (sf) Stress	0	0	0	0	0	0	0
B (sf) Stress	0	0	0	0	0	0	0
B- (sf) Stress	0	0	0	0	0	0	0
CCC+ (sf) Stress	0	0	0	0	0	0	0
CCC (sf) Stress	0	0	0	0	0	0	0
CCC- (sf) Stress	0	0	0	0	0	0	0
CC (sf) Stress	0	0	0	0	0	0	0
C (sf) Stress	0	0	0	0	0	0	0
D (sf) Stress	0	0	0	0	0	0	0



#### **Tranche Summary**

#### Tranche A1R1

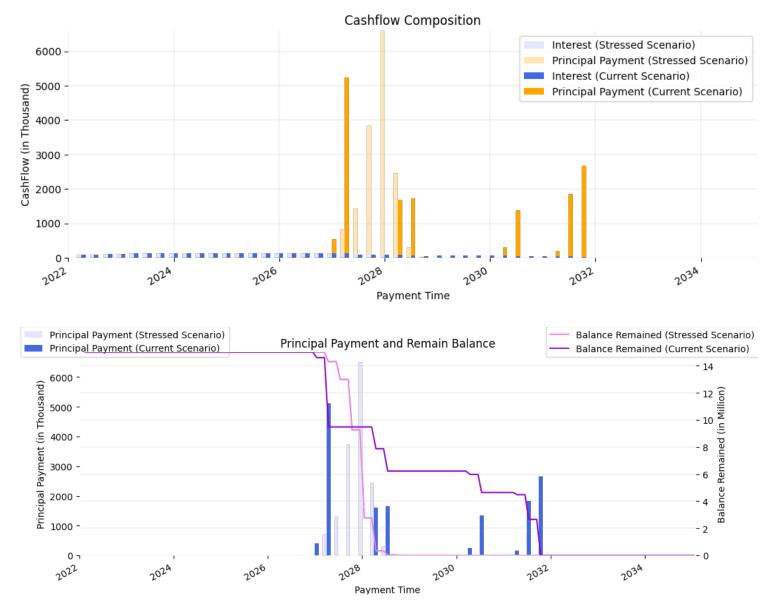
Title		Value	Title	Value
ORIGINAL BALANCE		310.0	IC TEST TRIGGE	R 110.0
CURRENT BALANCE		310.0	CURRENT IC	297.8
TRANCHE SPECIFIC ST			OC TEST TRIGGE	
EJR MODEL IMPLIE		AAA (sf)	CURRENT OC	122.7
UNCOVERED BALANCE (asse			UNCOVERED RATIO (asset	
UNCOVERED BALANCE (asse	ets at Par) (\$ Million)	N/A	UNCOVERED RATIO (asset	s at Par) (%) 0.0
	Ca	ashflow Comp		essed Scenario)
20000 -			Principal Pa	yment (Stressed Scenario) rrent Scenario)
				yment (Current Scenario)
15000 - L	tilla. I			
CashFIour (in Thousand) (in Thousand) 10000 -				
5000 -			i alti II	
2022 2024	2026	2028	2030 2032	2034
		Payment Tin		
Principal Payment (Stressed Scenario) Principal Payment (Current Scenario)	Principal Paym	ent and Remai	n Balanco	Remained (Stressed Scenario) Remained (Current Scenario)
25000 -				- 300
=				
g 20000				- 250 <u>c</u>
				Ξ
두 도 15000 -				- 250 G
J J J J J J J J J J J J J J J J J J J		1.		ned
e				- 150 🗟
5				E
20000 - Hu 15000 - tu 15000 -		IIIn		- 150 - 150 -
2 10000 - E	h\   <b>`</b> }			- 100 - 100
Mag 10000 - Mag 5000 -			.h. u	- 100 - a
cipal F		┝┝╽╻	alu.ll	- 100 - 100 - 100 Bajan - 50
5000 -		$\ \cdot\ _{1}$		- 100 9 ee - 50
			30 5032	- 100 9 - 50 8
5000 -	2026 2028	2 <sup>c</sup> rayment Time	<sup>30</sup> 20 <sup>32</sup>	- 100 9 ee - 50

The charts reflects the remaining balance and cashflow forcasting under a) current default and recovery scenario and b) AAA (sf) stress level default and recovery scenario, assuming 50% loss will happen evenly in the first 2 years. The current principal balance of the tranche is \$310.0M. Under current default and recovery scenario, the payment window for this tranche ranges from Apr 15, 2022 to Oct 15, 2031. By the end of the payment period (Oct 15, 2031), the principal balance should be paid in full. Total interest payments of the tranche will approximately \$0.0M. Under AAA (sf) default and recovery scenario, the payment window for this tranche ranges from Apr 15, 2022 to Oct 15, 2031. By the end of the payment period (Oct 15, 2031), the principal balance should be paid in full. Total interest payments of the tranche ranges from Apr 15, 2022 to Oct 15, 2031. By the end of the payment period (Oct 15, 2031), the principal balance should be paid in full. Total interest payments of the tranche ranges from Apr 15, 2022 to Oct 15, 2031. By the end of the payment period (Oct 15, 2031), the principal balance should be paid in full. Total interest payments of the tranche will approximately \$0.0M.



#### Tranche A1RJ

Title	Value	Title	Value
ORIGINAL BALANCE (\$ Million)	15.0	IC TEST TRIGGER	110.0
CURRENT BALANCE (\$ Million)	15.0	CURRENT IC	297.8
TRANCHE SPECIFIC STRESSED PD		OC TEST TRIGGER	114.7
EJR MODEL IMPLIED RATING	AAA (sf)	CURRENT OC	122.7
UNCOVERED BALANCE (assets at MV) (\$ Million)	0.0	UNCOVERED RATIO (assets at MV) (%)	0.0
UNCOVERED BALANCE (assets at Par) (\$ Million)	N/A	UNCOVERED RATIO (assets at Par) (%)	0.0



The charts reflects the remaining balance and cashflow forcasting under a) current default and recovery scenario and b) AAA (sf) stress level default and recovery scenario, assuming 50% loss will happen evenly in the first 2 years. The current principal balance of the tranche is \$15.0M. Under current default and recovery scenario, the payment window for this tranche ranges from Apr 15, 2022 to Oct 15, 2031. By the end of the payment period (Oct 15, 2031), the principal balance should be paid in full. Total interest payments of the tranche will approximately \$0.0M. Under AAA (sf) default and recovery scenario, the payment window for this tranche ranges from Apr 15, 2022 to Oct 15, 2031. By the end of the payment period (Oct 15, 2031), the principal balance should be paid in full. Total interest payments of the tranche ranges from Apr 15, 2022 to Oct 15, 2031. By the end of the payment period (Oct 15, 2031), the principal balance should be paid in full. Total interest payments of the tranche ranges from Apr 15, 2022 to Oct 15, 2031. By the end of the payment period (Oct 15, 2031), the principal balance should be paid in full. Total interest payments of the tranche will approximately \$0.0M.



#### Tranche A2RS

ranche A	2113					
	Title		Value		Title	Value
	RIGINAL BALANCE (		50.0		ST TRIGGER	110.0
	URRENT BALANCE (		50.0		RENT IC	297.8
	NCHE SPECIFIC STR				ST TRIGGER	114.7
	JR MODEL IMPLIED		AAA (sf)		RENT OC	122.7
	ED BALANCE (asset		0.0		ATIO (assets at MV) (%)	0.0
UNCOVER	ED BALANCE (asset	s at Par) (\$ Million)	N/A	UNCOVERED RA	ATIO (assets at Par) (%)	0.0
		C	Cashflow Coi	nposition		
					Internet (Channel Commin)	
14000 -					Interest (Stressed Scenario)	C
14000					Principal Payment (Stressed	Scenario
12000 -					Interest (Current Scenario) Principal Payment (Current S	conorio)
					Principal Payment (Current S	cenario)
10000 -						
8000 -						
6000 -						
12000 - 10000 - 8000 - 6000 - 4000 -					111	
4000 -						
1000					111	
2000 -						
0 -						1
2022	2024	2026	2028	2030	2032 2034	
-	-	-	Payment			
			-			
Dein eine I. Der	un out (Churrent Courseile)				Delense Demoined (Chrone	
	yment (Stressed Scenario) yment (Current Scenario)	Principal Payr	ment and Ren	nain Balance	Balance Remained (Stress     Balance Remained (Curren	
16000 -		. L			Balance Kennamed (Curren	Genand
- 14000 -		~~	_ 7			
(pu 14000 -						40 E
Sn 12000 -						jili
The second						2
<u> </u>			Ъ		-	- 30 D
- 0008 ent						aine
Principal Payment (in Thousand) 15000 - 0000 - 10000 - 00000 - 0000 - 00000 - 0000 - 0000 - 0						00 . 00 . 00 . 00 . 00 . 00 . 00 . 00
a 6000 -					Li Contra di	- R
- - - - - - - - -						anc
Jrin					-	10 8
2000 -					Ы	
ר 0						· 0
2022	2024	2026 207	ცზ	2030 2032	2034	0
202	202	201 201		205 205	205	

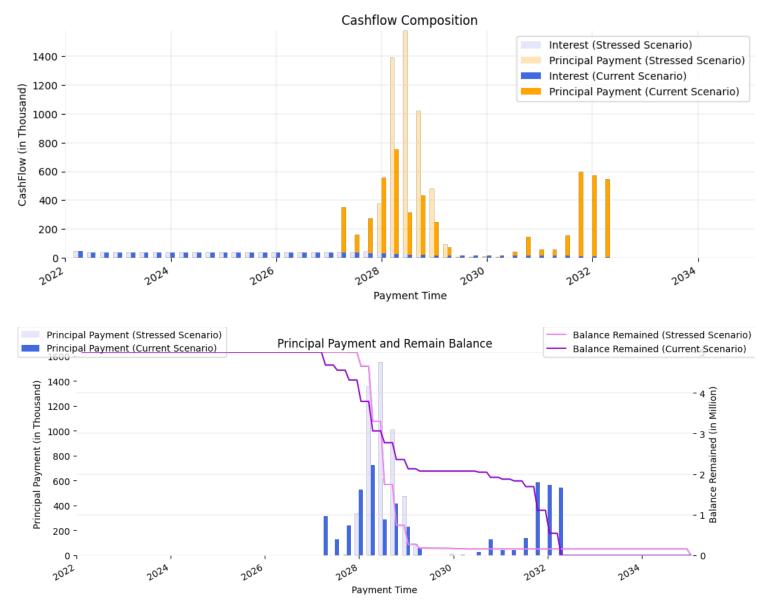
The charts reflects the remaining balance and cashflow forcasting under a) current default and recovery scenario and b) AAA (sf) stress level default and recovery scenario, assuming 50% loss will happen evenly in the first 2 years. The current principal balance of the tranche is \$50.0M. Under current default and recovery scenario, the payment window for this tranche ranges from Apr 15, 2022 to Apr 15, 2032. By the end of the payment period (Apr 15, 2032), the principal balance should be paid in full. Total interest payments of the tranche will approximately \$0.0M. Under AAA (sf) default and recovery scenario, the payment window for this tranche ranges from Apr 15, 2032), the principal balance should be paid in full. Total interest payments of the tranche will approximately \$0.0M. Under AAA (sf) default and recovery scenario, the payment window for this tranche ranges from Apr 15, 2022 to Apr 15, 2032. By the end of the payment period (Apr 15, 2032), the principal balance should be paid in full. Total interest payments of the tranche ranges from Apr 15, 2022 to Apr 15, 2032. By the end of the payment period (Apr 15, 2032), the principal balance should be paid in full. Total interest payments of the tranche ranges from Apr 15, 2022 to Apr 15, 2032. By the end of the payment period (Apr 15, 2032), the principal balance should be paid in full. Total interest payments of the tranche will approximately \$0.0M.

Payment Time



#### Tranche A2RF

Title	Value	Title	Value
ORIGINAL BALANCE (\$ Million)	5.0	IC TEST TRIGGER	110.0
CURRENT BALANCE (\$ Million)	5.0	CURRENT IC	297.8
TRANCHE SPECIFIC STRESSED PD		OC TEST TRIGGER	114.7
EJR MODEL IMPLIED RATING	AAA (sf)	CURRENT OC	122.7
UNCOVERED BALANCE (assets at MV) (\$ Million)	0.0	UNCOVERED RATIO (assets at MV) (%)	0.0
UNCOVERED BALANCE (assets at Par) (\$ Million)	N/A	UNCOVERED RATIO (assets at Par) (%)	0.0



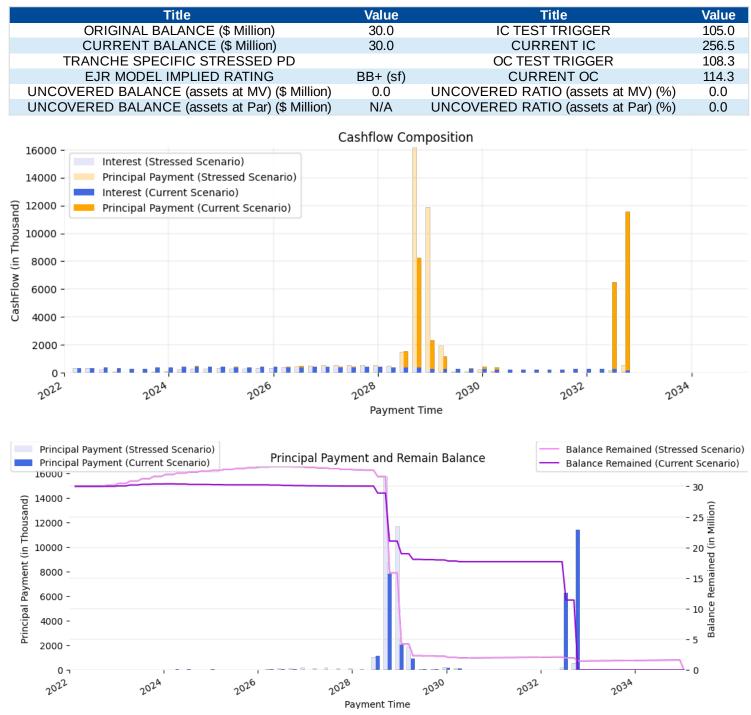
The charts reflects the remaining balance and cashflow forcasting under a) current default and recovery scenario and b) AAA (sf) stress level default and recovery scenario, assuming 50% loss will happen evenly in the first 2 years. The current principal balance of the tranche is \$5.0M. Under current default and recovery scenario, the payment window for this tranche ranges from Apr 15, 2022 to Apr 15, 2032. By the end of the payment period (Apr 15, 2032), the principal balance should be paid in full. Total interest payments of the tranche will approximately \$0.0M. Under AAA (sf) default and recovery scenario, the payment window for this tranche ranges from Apr 15, 2032), the principal balance should be paid in full. Total interest payments of the tranche will approximately \$0.0M. Under AAA (sf) default and recovery scenario, the payment window for this tranche ranges from Apr 15, 2022 to Apr 15, 2032. By the end of the payment period (Apr 15, 2032), the principal balance should be paid in full. Total interest payments of the tranche ranges from Apr 15, 2022 to Apr 15, 2032. By the end of the payment period (Apr 15, 2032), the principal balance should be paid in full. Total interest payments of the tranche will approximately \$0.0M.

#### **Tranche BR**

ORIGINAL BALANCE (§ Million) 27.5 IC TEST TRIGGER 110.0 CURRENT BALANCE (§ Million) 27.5 CURRENT IC 297.8 TRANCHE SPECIFIC STRESSED PD OC TEST TRIGGER 114.7 EUR MODEL IMPLIED RATING A+ (\$1) CURRENT OC 122.7 UNCOVERED BALANCE (assets at MV) (§ Million) 0.0 UNCOVERED RATIO (assets at MV) (%) 0.0 UNCOVERED BALANCE (assets at Par) (\$ Million) N/A UNCOVERED RATIO (assets at Par) (%) 0.0 UNCOVERED BALANCE (assets at Par) (\$ Million) N/A UNCOVERED RATIO (assets at Par) (%) 0.0 Interest (Stressed Scenario) Principal Payment (Current Scenario) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Title		Value		Title	Value				
CURRENT BALANCE (s Million) 27.5 CURRENT IC 297.8 TRANCHE SPECIFIC STRESSED PD OC TEST TRIGGER 114.7 EJR MODEL IMPLIED RATING A+ (sf) CURRENT OC 122.7 UNCOVERED BALANCE (assets at MV) (%) 0.0 UNCOVERED BALANCE (assets at MV) (%) 0.0 Cashflow Composition Cashflow Composition Cashflow Composition Cashflow Composition Composition Principal Payment (Current Scenario) 0000 - Principal Payment (Current Scenario) 0000 - Principal Payment (Current Scenario) 0000 - Principal Payment (Current Scenario) 01000 - Principal Payment (Stressed Scenario) 01000 - Stressed Scenario 01000 - Stressed Scenario 01000 -					IC TE						
TRANCHE SPECIFIC STRESSED PD OC TEST TRIGGER 114.7 ER MODEL IMPLIED RATING A+ (sf) CURRENT OC 122.7 UNCOVERED BALANCE (assets at PAr) (% Million) 0.0 UNCOVERED RATIO (assets at PAr) (%) 0.0 UNCOVERED BALANCE (assets at PAR) (% Million) N/A UNCOVERED RATIO (assets at PAR) (%) 0.0 Cashflow Composition Principal Payment (Stressed Scenario) Principal Payment (Current Scenario) Principal Payment (Stressed Scenario) Principal Payment (Stress				27.5	CU	297.8					
UNCOVERED BALANCE (assets at MV) (%) 0.0 UNCOVERED BALANCE (assets at Par) (\$ Million) 0.0 UNCOV	-				OC TE	114.7					
UNCOVERED BALANCE (assets at MV) (%) 0.0 UNCOVERED BALANCE (assets at Par) (\$ Million) 0.0 UNCOV		EJR MODEL IMPLIED	RATING	A+ (sf)	CUF	122.7					
Cashflow Composition Principal Payment (Stressed Scenario) Principal Payment (Current Scenario) Principal Payment (Current Scenario) Principal Payment (Current Scenario) Principal Payment (Stressed Scenario) Payment Stressed Scenario) Payment Stressed Scenario Payment Stres	UNCO				UNCOVERED R	0.0					
12000       Interest (Stressed Scenario)         10000       Principal Payment (Stressed Scenario)         6000       Principal Payment (Current Scenario)         6000       6000         6000       6000         6000       900         6000       900         6000       900         6000       900         6000       900         9000       900         9000       900         9000       900         9000       900         9000       900         9000       900         9000       900         12000       Principal Payment (Stressed Scenario)         Principal Payment (Current Scenario)       Principal Payment and Remain Balance         Balance Remained (Current Scenario)       900         12000       900         9000       900         9000       900         9000       900         9000       900         9000       900         9000       900         9000       900         9000       900         9000       900         9000       900	UNCO	VERED BALANCE (asset	ATIO (assets at Par) (%)	0.0							
Interest (Stressed Scenario) Principal Payment (Stressed Scenario) Principal Payment (Current Scenario) Principal Payment (Current Scenario) Geoded Principal Payment (Stressed Scenario) Geoded Principal Payment (Stressed Scenario) Principal Payment and Remain Balance Balance Remained (Stressed Scenario) Balance Remained (Stressed Scenario) Stressed Scenario) Principal Payment and Remain Balance Stressed Scenario) Stressed Scenario) Principal Payment (Stressed Scenario) Principal Payment and Remain Balance Stressed Scenario) Stressed Scen	Cashflow Composition										
Principal Payment (Stressed Scenario) Principal Payment (Current Scenario) Principal Payment (Current Scenario) Principal Payment (Current Scenario) Principal Payment (Stressed Scenario) Principal Payment (St											
Principal Payment (Stressed Scenario) Principal Payment	12000 -										
Principal Payment (Current Scenario) Principal Payment (Current Scenario) Principal Payment (Stressed Scenario) Principal Payment (Stressed Scenario) Principal Payment (Current Sce	12000										
2000 2012 2012 2014 2016 2016 2018 Principal Payment (Stressed Scenario) Principal Payment and Remain Balance Principal Payment (Current Scenario) Principal Payment and Remain Balance Balance Remained (Stressed Scenario) Balance Remained (Stressed Scenario) Balance Remained (Current Scenario) 0 0 0 0 0 0 0 0 0 0 0 0 0	<b>a</b>										
2000 2007 2017 2018	6 10000 -	Principal Payment (Cur	rent Scenario)								
2000 2012 2012 2014 2016 2016 2018 Principal Payment (Stressed Scenario) Principal Payment and Remain Balance Principal Payment (Current Scenario) Principal Payment and Remain Balance Balance Remained (Stressed Scenario) Balance Remained (Current Scenario) Balance Remained (Current Scenario) Balance Remained (Current Scenario) 0 0 0 0 0 0 0 0 0 0 0 0 0	- 0008 -										
2000 2007 2017 2018	L L										
2000 2012 2012 2014 2016 2016 2018 Principal Payment (Stressed Scenario) Principal Payment and Remain Balance Principal Payment (Current Scenario) Principal Payment and Remain Balance Balance Remained (Stressed Scenario) Balance Remained (Current Scenario) Balance Remained (Current Scenario) Balance Remained (Current Scenario) 0 0 0 0 0 0 0 0 0 0 0 0 0	8 6000 -										
2000 2012 2012 2014 2016 2016 2018 Principal Payment (Stressed Scenario) Principal Payment and Remain Balance Principal Payment (Current Scenario) Principal Payment and Remain Balance Balance Remained (Stressed Scenario) Balance Remained (Current Scenario) Balance Remained (Current Scenario) Balance Remained (Current Scenario) 0 0 0 0 0 0 0 0 0 0 0 0 0	IJ 4000 -										
Principal Payment (Stressed Scenario) Principal Payment (Stressed Scenario) Principal Payment (Current Scenario) Principal Payment (Current Scenario) Principal Payment and Remain Balance 12000 - 10000 -	-										
20 <sup>22</sup> 20 <sup>24</sup> 20 <sup>26</sup> 20 <sup>26</sup> 20 <sup>28</sup> 20 <sup>30</sup> 20 <sup>32</sup> 20 <sup>34</sup> Payment Time Principal Payment (Stressed Scenario) Principal Payment (Current Scenario) Principal Payment (Current Scenario) Principal Payment and Remain Balance Balance Remained (Current Scenario) Balance Remained (Current S	2000 -										
Principal Payment (Stressed Scenario) Principal Payment (Current Scenario) Principal Payment (Current Scenario) Principal Payment and Remain Balance Balance Remained (Current Scenario) Balance Remained (Current				6 6 6 <b>6</b> 4 <b>1</b> 8		· · · · ,					
Principal Payment (Stressed Scenario) Principal Payment (Current Scenario) Principal Payment (Current Scenario) Principal Payment and Remain Balance Balance Remained (Current Scenario) Balance Remained (Current	2022	2024	2026	2028	2030	2032 2	0 <sup>34</sup>				
Principal Payment (Current Scenario) Principal Payment and Remain Balance Balance Remained (Current Scenario) Balance Remained (Current Scenario) Balance Remained (Current Scenario) - 25 (0) - 25 (0) - 25 (0) - 20 (1) - 25 (0) - 25 (0) - 20 (1) - 25 (0) - 20 (1) - 20 (1)				Payment	Time						
Principal Payment (Current Scenario) Principal Payment and Remain Balance Balance Remained (Current Scenario) Balance Remained (Current Scenario) Balance Remained (Current Scenario) Principal Payment and Remain Balance - 25 (0) 10000 - - 20 (1) 8000 - - 20 (1) 8000 - - 10 90 - 10 90 - 10 90 - 10 90 - 10 90 - 10 90 - 5 (8) - 10 90 - 1											
12000 - 12000 - 10000 - 10000 - 10000 - 10000 - 1000 - 1000 - 100 - 10			Principal Pay	yment and Rem	nain Balance						
10000 - 8000 - 6000 - 4000 - 2000	14000					Bulance Remained (ear					
10000 - 8000 - 6000 - 4000 - 2000	<del>⊊</del> 12000 ·	-									
$202^{2}$ $202^{4}$ $202^{6}$ $202^{8}$ $203^{0}$ $203^{2}$ $203^{4}$	anc			71			- 25 (c				
$202^{2}$ $202^{4}$ $202^{6}$ $202^{8}$ $203^{0}$ $203^{2}$ $203^{4}$	j 10000 ·	-					Mill				
$202^{2}$ $202^{4}$ $202^{6}$ $202^{8}$ $203^{0}$ $203^{2}$ $203^{4}$	4						- 20 <u>E</u>				
$202^{2}$ $202^{4}$ $202^{6}$ $202^{8}$ $203^{0}$ $203^{2}$ $203^{4}$	·0008 [j.	-		<b>1</b>			ped				
$202^{2}$ $202^{4}$ $202^{6}$ $202^{8}$ $203^{0}$ $203^{2}$ $203^{4}$	nen					_	- 15 .				
$202^{2}$ $202^{4}$ $202^{6}$ $202^{8}$ $203^{0}$ $203^{2}$ $203^{4}$	L 6000	-		I L			Ren				
$202^{2}$ $202^{4}$ $202^{6}$ $202^{8}$ $203^{0}$ $203^{2}$ $203^{4}$		-				- <b>`</b>	- 10 9				
$202^{2}$ $202^{4}$ $202^{6}$ $202^{8}$ $203^{0}$ $203^{2}$ $203^{4}$	d 4000					- 11	alan				
$20^{2^{2}}$ $20^{2^{4}}$ $2^{0^{2^{6}}}$ $2^{0^{2^{8}}}$ $2^{0^{3^{0}}}$ $2^{0^{3^{2}}}$ $2^{0^{3^{4}}}$	2000 -	-					- 5 🛱				
$2^{02^{2}}$ $2^{02^{4}}$ $2^{02^{6}}$ $2^{02^{8}}$ $2^{03^{0}}$ $2^{03^{2}}$ $2^{03^{4}}$	2000						7				
$2^{02^{2}}$ $2^{02^{4}}$ $2^{02^{6}}$ $2^{02^{8}}$ $2^{03^{0}}$ $2^{03^{2}}$ $2^{03^{4}}$	0	י ר	7			_ , ■ ■	<u> </u>				
Payment Time	2022	2024	2026	52 <sup>8</sup>	2030 20	3 <sup>2</sup> 20 <sup>3<sup>4</sup></sup>					
	r	Payment Time									

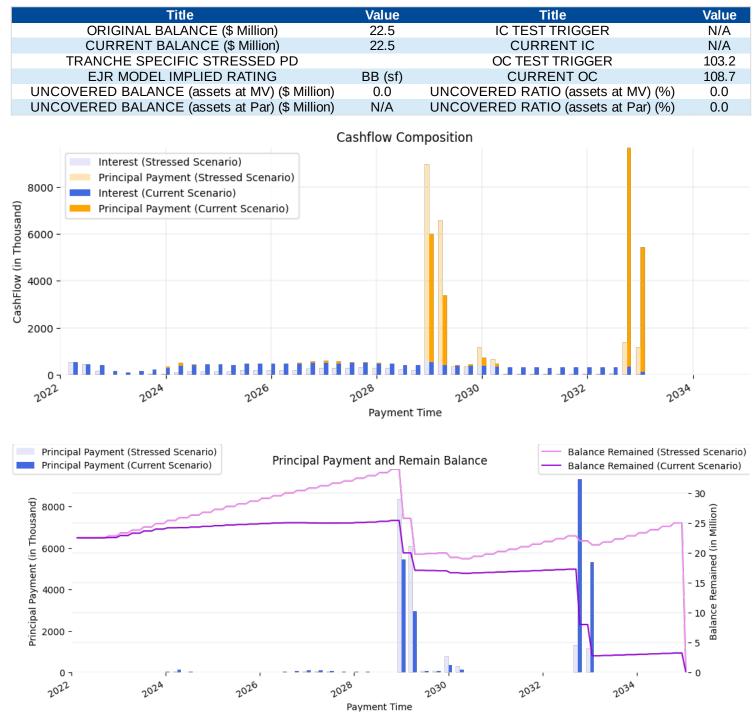
The charts reflects the remaining balance and cashflow forcasting under a) current default and recovery scenario and b) A+ (sf) stress level default and recovery scenario, assuming 50% loss will happen evenly in the first 2 years. The current principal balance of the tranche is \$27.5M. Under current default and recovery scenario, the payment window for this tranche ranges from Apr 15, 2022 to Jul 15, 2032. By the end of the payment period (Jul 15, 2032), the principal balance should be paid in full. Total interest payments of the tranche will approximately \$0.0M. Under A+ (sf) default and recovery scenario, the payment window for this tranche ranges from Apr 15, 2022 to Jul 15, 2032), the principal balance should be paid in full. Total interest payments of the tranche will approximately \$0.0M. Under A+ (sf) default and recovery scenario, the payment window for this tranche ranges from Apr 15, 2022 to Jul 15, 2032. By the end of the payment period (Jul 15, 2032), the principal balance should be paid in full. Total interest payments of the tranche will approximately \$0.0M. Under A+ (sf) default and recovery scenario, the payment window for this tranche ranges from Apr 15, 2022 to Jul 15, 2032. By the end of the payment period (Jul 15, 2032), the principal balance should be paid in full. Total interest payments of the tranche will approximately \$0.0M.

#### **Tranche CR**



The charts reflects the remaining balance and cashflow forcasting under a) current default and recovery scenario and b) BB+ (sf) stress level default and recovery scenario, assuming 50% loss will happen evenly in the first 2 years. The current principal balance of the tranche is \$30.0M. Under current default and recovery scenario, the payment window for this tranche ranges from Apr 15, 2022 to Oct 15, 2032. By the end of the payment period (Oct 15, 2032), the principal balance should be paid in full. Total interest payments of the tranche will approximately \$0.0M. Under BB+ (sf) default and recovery scenario, the payment window for this tranche ranges from Apr 15, 2022 to Oct 15, 2032. By the end of the payment period (Oct 15, 2032), the principal balance should be paid in full. Total interest payments of the tranche ranges from Apr 15, 2022 to Oct 15, 2032. By the end of the payment period (Oct 15, 2032), the principal balance should be paid in full. Total interest payments of the tranche ranges from Apr 15, 2022 to Oct 15, 2032. By the end of the payment period (Oct 15, 2032), the principal balance should be paid in full. Total interest payments of the tranche will approximately \$0.0M.

#### **Tranche DR**



The charts reflects the remaining balance and cashflow forcasting under a) current default and recovery scenario and b) BB (sf) stress level default and recovery scenario, assuming 50% loss will happen evenly in the first 2 years. The current principal balance of the tranche is \$22.5M. Under current default and recovery scenario, the payment window for this tranche ranges from Apr 15, 2022 to Jan 18, 2033. By the end of the payment period (Jan 18, 2033), the principal balance should be paid in full. Total interest payments of the tranche will approximately \$0.0M. Under BB (sf) default and recovery scenario, the payment window for this tranche ranges from Apr 15, 2022 to Jan 18, 2033. By the end of the payment period (Jan 18, 2033), the principal balance should be paid in full. Total interest payments of the tranche ranges from Apr 15, 2022 to Jan 18, 2033. By the end of the payment period (Jan 18, 2033), the principal balance should be paid in full. Total interest payments of the tranche ranges from Apr 15, 2022 to Jan 18, 2033. By the end of the payment period (Jan 18, 2033), the principal balance should be paid in full. Total interest payments of the tranche will approximately \$0.0M.

#### EJR's Key Rating Features & Differences Compare With Other NRSROs

Below is a summary of EJR's approach (see our Methodology for a more complete description):

1. Our rating is derived from estimated losses.

2. The probabilities of default utilized are generally more conservative than industry standards.

3. Generally, our ratings are more heavily model driven and take into account fewer subjective / qualitative assumptions.

4. Generally, EJR updates the cashflow and ratings monthly based on the availability of the trustee reports.

5. EJR's analysis is conducted using information and cash flow engines supplied by a recognized industry service provider.

#### **Difference Between Implied Rating and Assigned Rating**

There is no difference between model implied rating and final assigned rating.



#### SEC Rule 17g-7(a) Disclosure

Below are the disclosures as required by Paragraph (a) of Rule 17g-7.

## **1.** The symbol in the rating scale used to denote the credit rating categories and notches within categories and the identity of the obligor, security, or money market instrument as required by Paragraph (a)(1)(ii)(A) of Rule 17g-7:

There are three notches in each of EJR's rating category (e.g., A-(sf), A(sf) and A+(sf) for category A(sf)) except for AAA(sf), CC(sf), C(sf) and D(sf).

## 2. The version of the procedure or methodology used to determine the credit rating as required by Paragraph (a)(1)(ii) (B) of Rule 17g-7:

We are using the EJR CLO Methodology (Non-NRSRO) version 1 published by Apr 22, 2020, the General Methodology for Rating Asset Backed and Structured Finance Obligations version 2 published by Apr 26, 2021.

## **3.** The main assumptions and principles used in constructing the procedures and methodologies used to determine the credit rating as required by Paragraph (a)(1)(ii)(C) of Rule 17g-7:

The credit rating assigned reflects EJR's judgement regarding the future credit quality of the issue. The major assumptions used to construct the methodologies include: 1) Past data reflects the performance and credit worthiness of the pooled assets and is useful for analysis. 2) Financial and credit information that EJR gets from the issuer or the third party is reliable and accurate. 3) The economy and regulation policies will remain stable in the foreseeable future. Specific quantitative assumptions used in this credit analysis applied to the collateral assets, which include Default Rate and Recovery Rate. According to the methodology, EJR converts the collateral assets into numbers of identical independent assets with the same default rate and recovery rate. The number of these converted assets is the Diversity Score.

#### 4. The potential limitations of the credit rating as required by Paragraph (a)(1)(ii)(D) of Rule 17g-7:

EJR's rating pertains solely to EJR's view of current and prospective credit quality. EJR's rating does not address pricing, liquidity or other risks associated with holding investments in the issuer. EJR ratings 1) Are not intended to address the value, price, price stability, liquidity, suitability, or merit of an investment. 2) Do not address investment merit, whether a particular rated security is suitable for a particular investor or suitable for an investor's risk tolerance. 3) Do not address whether the expected return of a particular investment is adequate for the inherent risk. 4) Do not address whether the market value of the security will remain stable over time. 5) Are not exact measures of the probability of default but are instead expressions of the relative credit risk of issuers and debt instruments. 6) Are not recommendations to buy, sell or hold any security.

## 5. Information on the uncertainty of the credit rating as required by Paragraph (a)(1)(ii)(E) of Rule 17g-7:

EJR's rating is dependent on numerous factors including the reliability, accuracy, and quality of the data used in determining the credit rating. The data is sourced from issuers' publicly disclosed reports, or from third-party data vendors. For solicited rating reports, EJR may also use the information provided by the client. In some cases, the information is limited because of issues such as the lack of reported data. Such shortcomings are not always readily apparent. EJR aims to identify such shortcomings and make adjustments using its best judgement.

## 6. Whether and to what extent third-party due diligence services have been used in taking the rating action as required by Paragraph (a)(1)(ii)(F) of Rule 17g-7:

EJR does not utilize third-party due diligence services.

## 7. How servicer or remittance reports were used, and with what frequency, to conduct surveillance of the credit rating as required by Paragraph (a)(1)(ii)(G) of Rule 17g-7:

EJR did not conduct surveillance of this rating.

## 8. Adescription of the data that were relied upon for the purpose of determining the credit rating as required by Paragraph (a)(1)(ii)(H) of Rule 17g-7:

EJR uses a third-party data vendor obtain essential data for ratings on this ABS product.

## 9. Astatement containing an overall assessment of the quality of information available and considered in the credit rating as required by Paragraph (a)(1)(ii)(I) of Rule 17g-7:

The information used in this analysis is generally of high quality.

#### 10. Information relating to conflicts of interest as required by Paragraph (a)(1)(ii)(J) of Rule 17g-7:

This rating is unsolicited.

## **11.** An explanation or measure of the potential volatility of the credit rating as required by Paragraph (a)(1)(ii)(K) of Rule 17g-7:

EJR's rating aims to assess the possible loss of investing in the obligations. Factors which affect such projection, and in turn EJR's rating, include changes in the credit worthiness of the collateral assets, changes in the correlation between them, and overall economic changes.

## 12. Information on the content of the credit rating as required by Paragraph (a)(1)(ii)(L) of Rule 17g-7:

1) Historical performance can be found on https://portal.egan-jones.com/client/fast/clo.aspx 2) As discussed in EJR's CLO Methodology, EJR attempts to calculate the weighted average default probability of the portfolio by using EJR's Weighted Average Rating Score (WARS) approach. EJR's ratings of CLO tranches are based on the estimated losses (EL) generated by applying default scenarios based on likelihood of occurrence. However, EJR's credit ratings are not based on absolute measures of probability of default and expected loss. EJR's credit ratings are opinions about the relative creditworthiness of an entity or an instrument.

## 13. Information on the sensitivity of the credit rating to assumptions as required by Paragraph (a) (1)(ii)(M) of Rule 17g-7:

See the section in this report entitled "Stress Analysis".

# 14. If the credit rating is assigned to an asset-backed security, a description of: (i) the representations, warranties, and enforcement mechanisms available to investors; and (ii) how they differ from the representations, warranties, and enforcement mechanisms in issuances of similar securities, as required by Paragraph (a)(1)(ii)(N) of Rule 17g-7: :

Such information in this analysis is non-public. Hence EJR has determined that this disclosure doesn't apply to this report.

#### Disclaimer

THIS RATING IS ISSUED IN RESPECT OF AN "ASSET-BACKED SECURITY". EGAN-JONES RATINGS COMPANY IS NOT REGISTERED AS A NATIONALLY RECOGNIZED STATISTICAL RATING ORGANIZATION IN RESPECT OF "ASSET-BACKED SECURITIES" AND THE RATING IS NOT BEING ISSUED OR MAINTAINED BY EGAN-JONES IN ITS CAPACITY AS AN NRSRO. EGAN-JONES MAKES NO REPRESENTATION OR WARRANTY THAT ANY SUCH NON-NRSRO RATING MEETS ANY CONDITIONS OR REQUIREMENTS FOR USE OF A RATING.





#### ATTESTATION FORM

In compliance with the US Securities and Exchange Commission (SEC) Rule 17g-7(a), the Egan-Jones analyst who published the report is responsible for the rating action and to the best knowledge of the person:

1) No part of the credit rating was influenced by any other business activities,

2) The credit rating was based solely upon the merits of the obligor, security, or money market instrument being rated, and

3) The credit rating was an independent evaluation of the credit risk of the obligor, security, or money market instrument.

#### Analyst Signature:

Date Prepared

02/15/22

#### **Reviewer Signature:**

Date Prepared 02/15/22