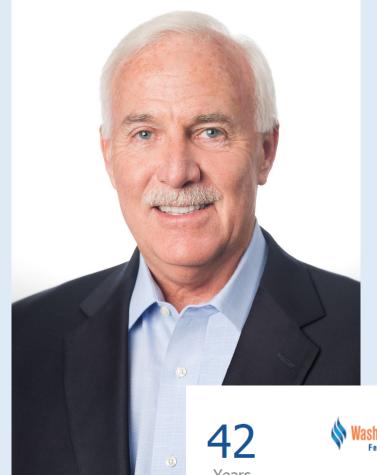


# Rev Up Your Auto Loan Profitability



John Flynn Chairman/CEO **Open Lending Corporation** 

Specialized **Lending Enablement Platform** for the **Near-Prime Market** Powered by **Proprietary Data**, **Advanced Decisioning Analytics**, an Innovative Insurance Structure and Scaled Distribution







- Previously the CEO at Washington Gas Light Federal Credit Union and the co-founder of Objective Advisors
- EY Entrepreneur of the Year 2019 Award Winner in Central Texas

#### State of the Auto Lending Market

Auto NCOs (net charge offs) of 1.18% were down 225bps YoY and 53bps sequentially - given deferral programs and a strong increase recovery rates to near some of the highest rates we've seen since 2000

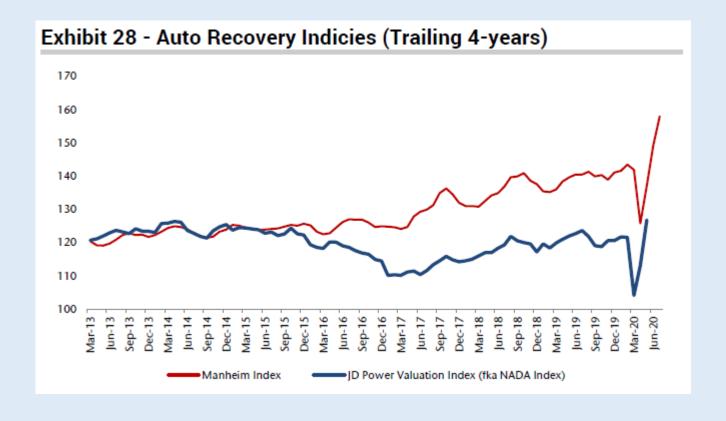
• Extensions and Stimulus played large part in this recovery

Jefferies Auto Credit Monitor									
	Most Recent Month	Year-ago Period	Long-term Average	3-month Rolling					
	(July)	rear-ago renou	Long-term Average	Average					
Total DQs (%)	4.43%	8.54%	7.44%	4.73%					
NCOs (%)	1.18%	3.43%	3.46%	2.22%					
Recovery Rate (%)	57.65%	45.81%	43.74%	45.91%					

Source: Jefferies, company data

#### State of the Auto Lending Market Cont'd

The Manheim Index rose 5.84% MoM in July to another record high of 158.0, and is now up 12.5% YoY, indicating residual values have more than recovered following a substantial decline in April.



#### State of the Auto Lending Market Cont'd

Unemployment rate quickly reverses and expect 2020 to end up in the 8.5-9.5% range and then slowly taper back to 4-6% range over the following 15-18 months



# Today's Agenda

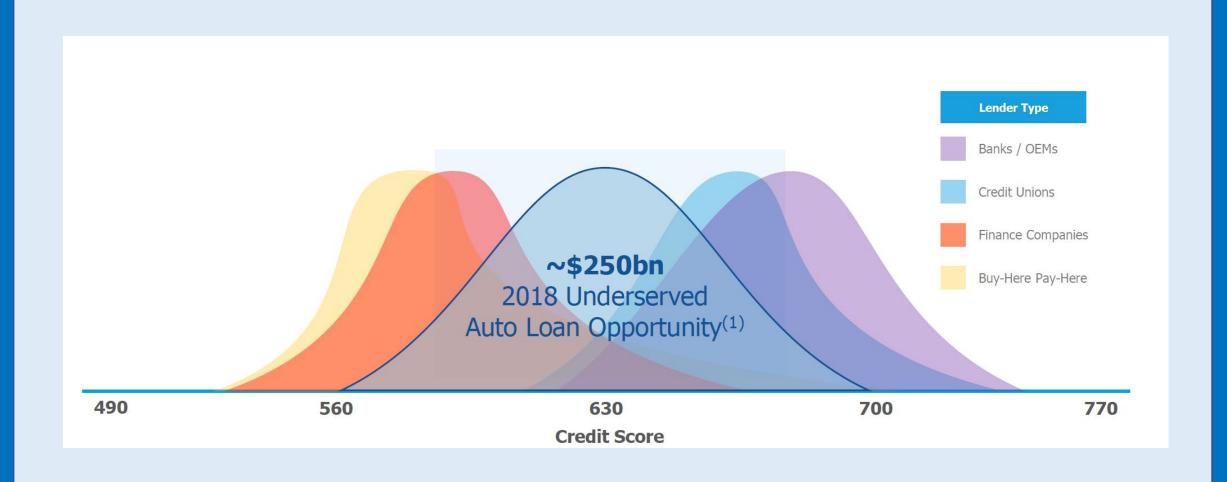


Identify opportunities for Credit Unions to capture more of the auto lending market

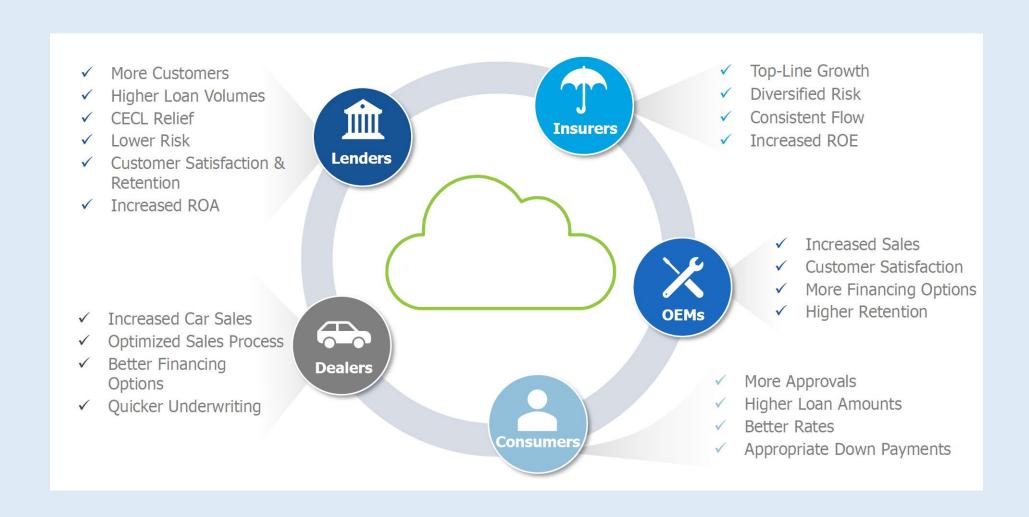


Pricing auto loans competitively using risk-based pricing and various risk attributes

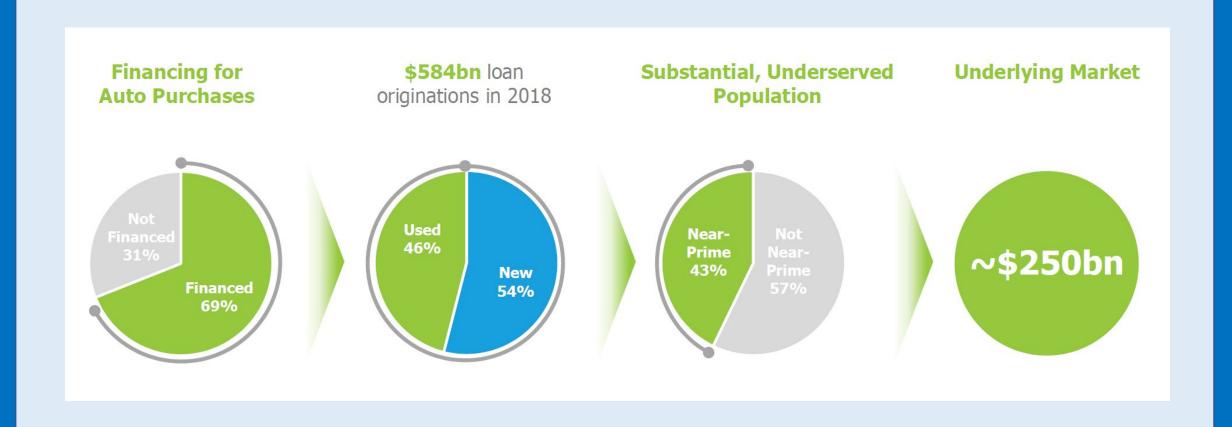
#### Massive Underserved Population

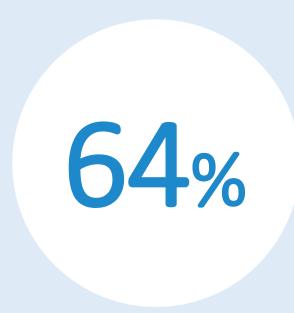


#### Auto Loan Ecosystem



#### Significant, Underserved Market Segment





of the time a consumer's preferred **financial institution** wins their purchases

88%

of the time a **credit union member** intends to give them
all their future business

# Question?



# What percentage of your auto portfolio is below a 640 score?



Non-prime members in mind

## Where do we fall short?

Retail LTV	≤ 75%	≤ 80%	≤ 85%	≤ 90%	≤ 95%	≤ 100%	≤ 105%	≤ 110%	≤ 115%	≤ 120%	≤ 125%	≤ 130%
Trade LTV	≤ 90%	≤ 95%	≤ 100%	≤ 105%	≤ 110%	≤ 115%	≤ 120%	≤ 125%	≤ 130%	≤ 135%	≤ 140%	≤ 145%
750 +												
700 - 749												
680 - 699												
660 - 679												
640 - 659												
620 - 639												
600 - 619												
580 - 599												
560 - 579												

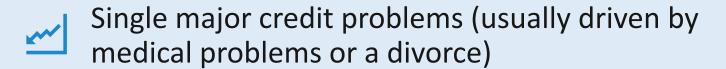
# Actual Average Application LTV's

Retail LTV	≤ 75%	≤ 80%	≤ 85%	≤ 90%	≤ 95%	≤ 100%	≤ 105%	≤ 110%	≤ 115%	≤ 120%	≤ 125%	≤ 130%
Trade LTV	≤ 90%	≤ 95%	≤ 100%	≤ 105%	≤ 110%	≤ 115%	≤ 120%	≤ 125%	≤ 130%	≤ 135%	≤ 140%	≤ 145%
750 +	250	294	384	449	528	571	534	817	192	229	50	93
700 - 749	732	1016	1408	1572	1837	1913	1869	2580	841	1450	171	289
680 - 699	640	953	1248	1587	1888	2011	1861	2713	1083	1872	161	297
660 - 679	872	1175	1657	2047	2331	2681	2677	3950	3455	316	587	
640 - 659	1169	1755	2503	3089	3512	3947	4280	6223	5656	461	854	
620 - 639	1326	1935	2769	3398	4099	4664	4791	7407	6377	497	849	
600 - 619	1278	1917	2674	3344	3916	4404	4647	10659	461	852		
580 - 599	997	1477	2061	2461	2849	3181	3240	6975	312	616		
560 - 579	372	502	723	1052	1257	2696	305	578				

Source: Lenders Protection portfolio of 1.6 million applications over a 10-year period

#### The Non-prime Members Demographic



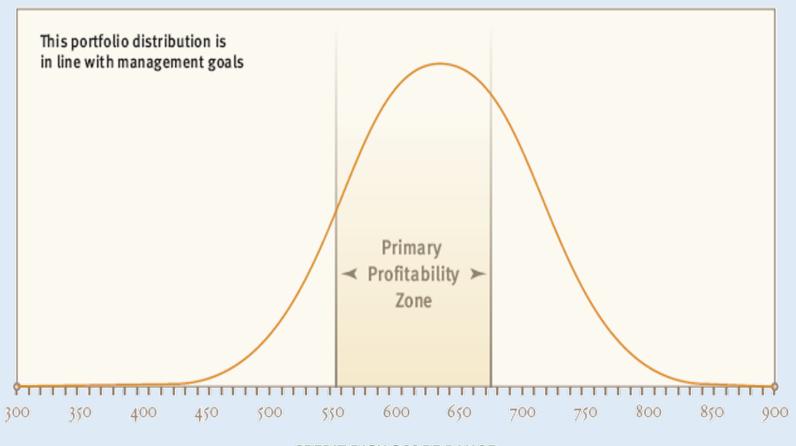


- Lack access to money in savings
- Typically not rate sensitive
- Monthly payment driven

#### Worth the risk?

- Approve and Book more loans
- Increase Profitability
- Enhance member relationships
- Attract new members
- Serve the underserved

# Higher Yields



# Question?



# How do you price for the increased risk?



**Interest Rate Pricing Strategies** 

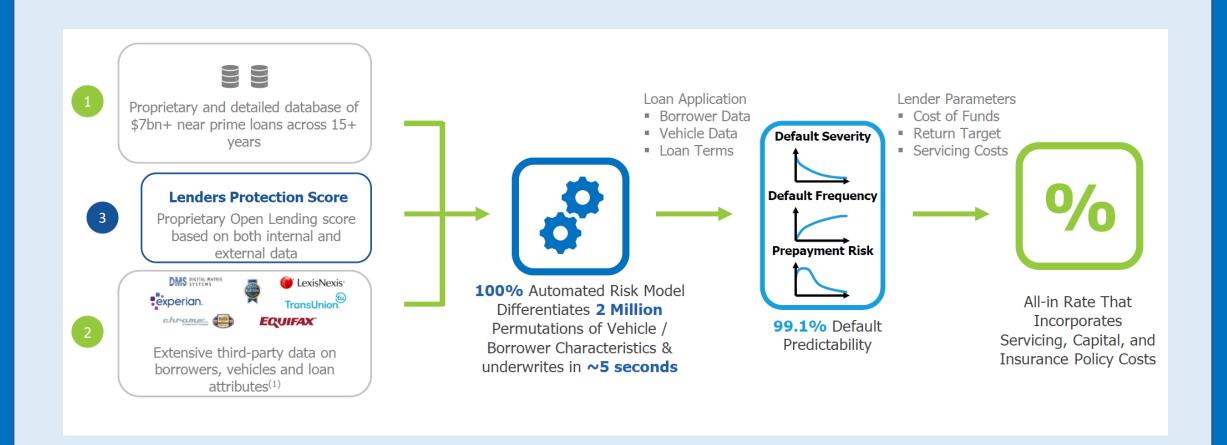
# Risk Based Pricing Methodology

Allows lenders to **price individual loans** based on a wide range of characteristics, including credit criteria and many other different risk attributes.

Key Element to true risk-based pricing: *Takes into account not only probability of defaults, but severity.* 



#### True Risk Based Pricing Components



# Find the Highest Default Risk

**BORROWER** 

640

**CREDIT UNION** 

125% Loan to Value

72 Month Term

**Used Vehicle** 

Indirect Channel

Default Rate

**BORROWER** 

**600** 

**CREDIT UNION** 

115% Loan to Value

72 Month Term

**Used Vehicle** 

Indirect Channel

Default Rate

BORROWER

**560** 

**CREDIT UNION** 

125% Loan to Value

72 Month Term

**Used Vehicle** 

**Direct Channel** 

Default Rate

# Find the Highest Default Risk

**BORROWER** 640 **CREDIT UNION** 125% Loan to Value 72 Month Term **Used Vehicle** Indirect Channel 18%

**BORROWER 600 CREDIT UNION** 115% Loan to Value 72 Month Term **Used Vehicle** Indirect Channel 26%

**BORROWER 560 CREDIT UNION** 125% Loan to Value 72 Month Term **Used Vehicle Direct Channel** 24%

# Question?



# Do you incorporate severity of loss in your interest rate calculations?



Some vehicle makes and models cause much higher losses

#### Depreciation Speed and Severity of Loss

#### **Chrysler**

\$25,000 loan amount \$20,000 vehicle value 10% Interest Rate

Defaults in month 13
Depreciation rate 72%

\$20,586.65 Deficiency Balance \$14,400 vehicle value at default \$6,186.65 Deficiency After Sale

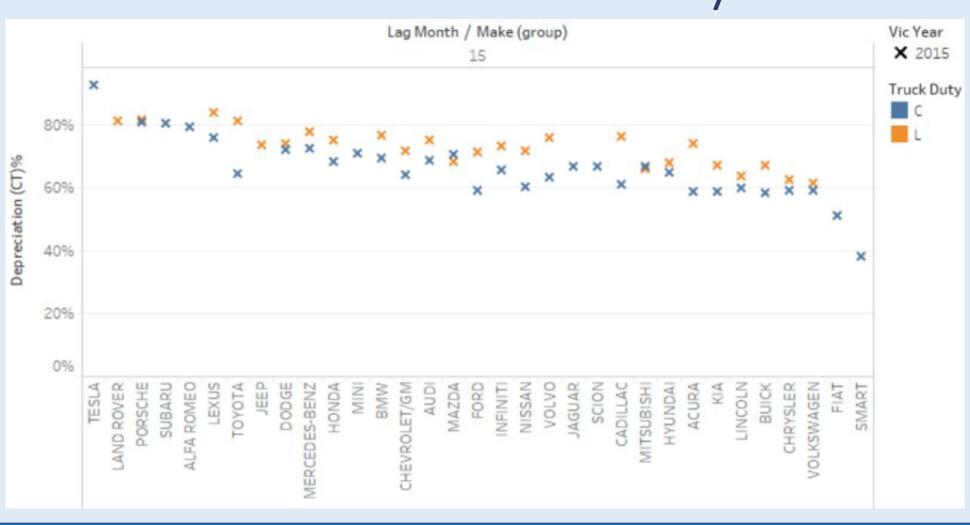
#### Toyota

\$25,000 loan amount \$20,000 vehicle value 10% Interest Rate

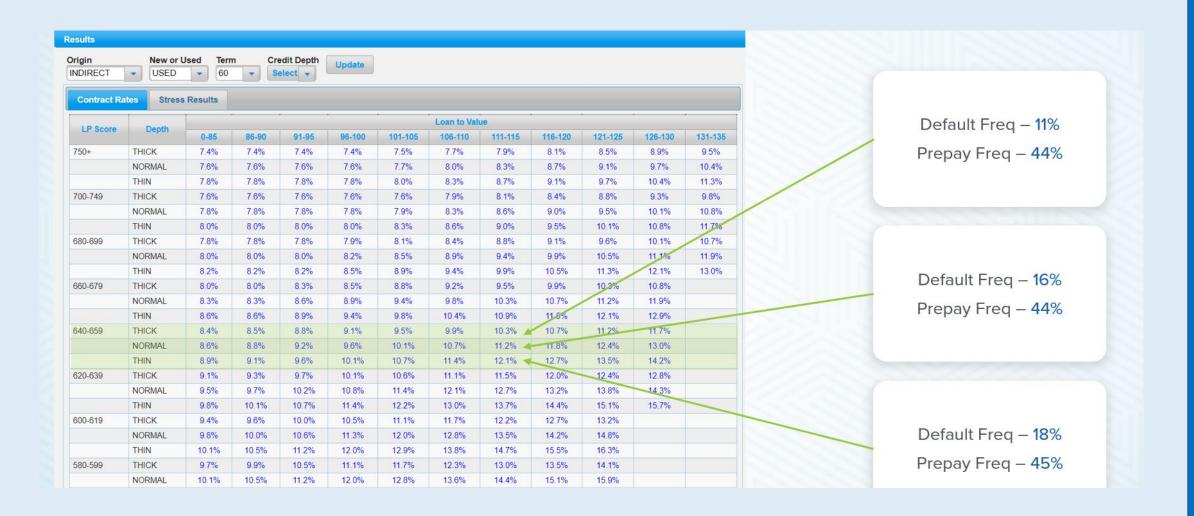
Defaults in month 13 Depreciation rate 82%

\$20,586.65 Deficiency Balance \$16,400 vehicle value at default \$4,186.65 Deficiency After Sale

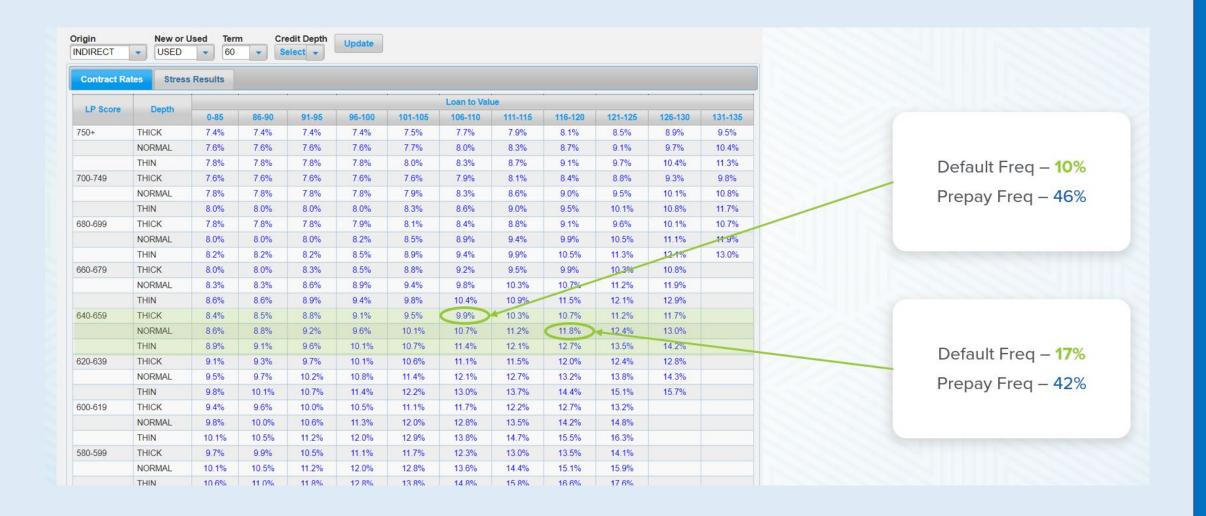
### Measure Severity



#### Risk Based Pricing Model



#### Risk Based Pricing Model



#### Interest Rate Components

	Base Target Yield	
Cost Of Funds		1.00%
Servicing		1.10%
Target ROA		2.60%
Target Yield:		4.70%
	Risk/Cost Factors	
Premium/Tax		3.47%
Program Fee		1.65%
Origination Costs		1.15%
Uninsured Loss		0.80%
Suggested Rate:		11.8%

# Find the Highest Default Risk

**BORROWER** 

**580** 

**CREDIT UNION** 

95% Loan to Value

72 Month Term

Used Vehicle

Thick File

Default Rate

BORROWER

**600** 

**CREDIT UNION** 

110% Loan to Value

60 Month Term

New Vehicle

Normal File

Default Rate

BORROWER

**580** 

**CREDIT UNION** 

115% Loan to Value

72 Month Term

Used Vehicle

Thin Channel

Default Rate

# Find the Highest Default Risk

**BORROWER 580 CREDIT UNION** 95% Loan to Value 72 Month Term **Used Vehicle** Thick File 15%

**BORROWER 600 CREDIT UNION** 110% Loan to Value 60 Month Term **New Vehicle** Normal File 33%

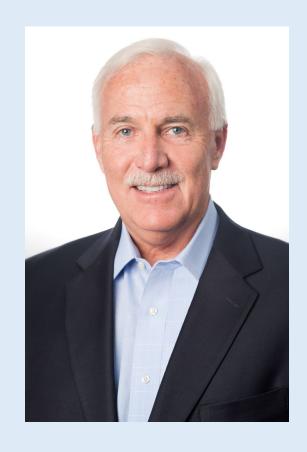
**BORROWER 580 CREDIT UNION** 115% Loan to Value 72 Month Term **Used Vehicle** Thin Channel 32%

# Key Takeaways

Accurately pricing risk ensures the long-term viability of an institution's ability to withstand the unpredictability of the economy and provide an advantage over competition.

By building an auto portfolio whereby each loan is priced appropriately for risk, the overall net yields are much higher and loan volume increases without having to cut interest rates to the bone.

One of the strongest arguments for having a risk-based pricing model is to facilitate restructuring in ways that *are "win-win" for both the institution and its members*.



# Thank you!

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