## Say YES to more automotive loans!



## What is Lenders Protection?



The Lenders Protection program is designed to help lenders approve and fund a wider range of loans that serve more members and earn higher yields, while mitigating risk with " $A$ " rated default insurance.


The program costs are built into the interest rate to the member and recovered thru the interest income generated on this new segment of loans.


The credit union controls everything.
PENFED
CREDIT UNION
Veridian

## Massive, Underserved Population

Open Lending Enables Banks, Credit Unions, OEM Captives and Other Financial Institutions to Profitably Lend to Traditionally Underserved Near-Prime Borrowers


[^0]
## Driving Value Creation Across the Entire Ecosystem

$\checkmark$ More Customers
$\checkmark$ Higher Loan Volumes
$\checkmark$ CECL Relief
$\checkmark$ Lower Risk
$\checkmark$ Customer Satisfaction \& Retention
$\checkmark \quad$ Increased ROA
$\checkmark \quad$ Increased Car Sales
$\checkmark$ Optimized Sales Process
$\checkmark$ Better Financing Options
$\checkmark$ Quicker Underwriting

$\checkmark$ Top-Line Growth
$\checkmark$ Diversified Risk
$\checkmark$ Consistent Flow
$\checkmark$ Increased ROE
$\checkmark$ More Approvals
$\checkmark$ Higher Loan Amounts
$\checkmark$ Better Rates
$\checkmark$ Appropriate Down Payments

## Typical Loan Workflow


~5 seconds

powered by ©penLending

Return all-in rate for insured loan

Open Lending generates a historical ROA of $2.5 \%$ net of all costs

## Where Lenders Protection Fits

| Retail LTV | $\leq 75 \%$ | $\leq 80 \%$ | $\leq 85 \%$ | <90\% | <95\% | $\leq 100 \%$ | <105\% | <110\% | < 115\% | <120\% | < 125\% | $\leq 130 \%$ | Approval Rates |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Trade LTV | $\leq 90 \%$ | $\leq 95 \%$ | < $100 \%$ | < $105 \%$ | $\leq 110 \%$ | $\leq 115 \%$ | $\leq 120 \%$ | $\leq 125 \%$ | < $130 \%$ | < $135 \%$ | < $140 \%$ | <145\% |  |
| 750 + |  |  |  |  |  |  |  |  |  |  |  |  | 53.4\% |
| 700-749 |  |  |  |  |  |  |  |  |  |  |  |  | 75.5\% |
| 680-699 |  |  |  |  |  |  |  |  |  |  |  |  | 79.8\% |
| 660-679 |  |  |  |  |  |  |  |  |  |  |  |  | 80.1\% |
| 640-659 |  |  |  |  |  |  |  |  |  |  |  |  | 77.9\% |
| 620-639 |  |  |  |  |  |  |  |  |  |  |  |  | 72.6\% |
| 600-619 |  |  |  |  |  |  |  |  |  |  |  |  | 66.7\% |
| 580-599 |  |  |  |  |  |  |  |  |  |  |  |  | 61.3\% |
| 560-579 |  |  |  |  |  |  |  |  |  |  |  |  | 53.7\% |

$\square$ Average Financial Institution Advance
Additional Advance with Lenders Protection
*Chart shows maximum advance for direct loans (indirect advances are reduced by 10\% across all tiers)

## Open Lending's Risk Based Pricing

Open Lending's Proprietary, Algorithmic, Risk Based Pricing Model Leverages Proprietary and Thirdparty Data Sources to Analyze the Risk and Potential Loss for Each Loan

른
Proprietary and detailed database of \$10bn+ near prime loans across ${ }^{\sim} 20$
years

Lenders Protection Score Proprietary Open Lending score based on both internal and external data


Extensive third-party data on borrowers, vehicles and loan attributes ${ }^{(1)}$

99.1\% Default Predictability

Lender Parameters

- Cost of Funds



All-in Rate That Incorporates Servicing, Capital, Program Fee and Insurance Policy Costs

## Robust, Risk Based Model is a Key Competitive Advantage

Risk Based Pricing means that for each loan Open Lending considers numerous data points on the consumer, the loan terms, and the vehicle to evaluate the risk of loss for the individual loan.


Over $\mathbf{2}$ million unique risk profiles

## Open Lending EVOLUTION



[^1]- Rules developed from ${ }^{\sim} 20$ years of underwriting experience
- Data analysis in near and non-prime lending
- Underwriting decisions in seconds

- Lender specific costs and ROA targets by risk
- Decrease subsidies across credit risk tiers
- Provide competitive rates to all borrowers
- ROA targets higher than prime portfolio

- Default protection from AM Best "A" rated insurers
- Continuous evaluation of credit risk and loss trend


## Lenders Protection BUYING BOX

- Maximum Loan of \$60,000 (Direct)
\$50,000 (Indirect)
- Maximum LTV of $145 \%$
- Backend Allowance 20\%
- Maximum term of 78 months
- 72 max for indirect
- Scores 560 or Higher
- Discharged Bankruptcy OK
- DTI 50\% PTI 20\%
- 9 Model Years or Newer
- Maximum Mileage 150K

Benefits of Insured Lending


Policy pays difference between loan balance at default and greater of:

- $80 \%$ of wholesale trade value of repossessed vehicle at default
- OR amount received from sale of repossessed vehicle

| LOAN BALANCE AT TIME OF DEFAULT | \$20,000 |  |  | \$20,000 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| VEHICLE VALUE AT TIME OF DEFAULT | \$10,000 |  |  | \$10,000 |  |
| Greater of: <br> (A) Amount realized from sale of vehicle <br> (B) $80 \%$ NADA Trade or KBB Wholesale | $\begin{aligned} & \$ 9,000 \\ & \text { A }=\text { Sale } \\ & \text { Amount } \end{aligned}$ |  | $\begin{aligned} & \$ 8,000 \\ & B=80 \% \end{aligned}$ | $\begin{aligned} & \$ 7,000 \\ & \text { A }=\text { Sale } \\ & \text { Amount } \end{aligned}$ | $\begin{aligned} & \$ 8,000 \\ & B=80 \% \end{aligned}$ |
| Financial Institution Loss without Lenders Protection |  | \$11,000 |  |  |  |
| Claim Payment (Plus 60 days interest) |  | \$11,000 |  |  |  |
| Financial Institution Loss with Lenders Protection |  | \$0 |  |  |  |


| Min Fico | Cost of Funds | Servicing Cost | Target ROA | Target Yield | Est Sale | Repo Fees | Origination Fees | Origination Exp |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 750 | 1.00\% | 0.80\% | 1.80\% | 3.60\% | 70.00\% | \$750 | \$0 | 2.00\% |
| 700 | 1.00\% | 0.80\% | 2.00\% | 3.80\% | 70.00\% | \$750 | \$0 | 2.00\% |
| 680 | 1.00\% | 0.90\% | 2.20\% | 4.10\% | 70.00\% | \$750 | \$0 | 2.00\% |
| 660 | 1.00\% | 1.00\% | 2.40\% | 4.40\% | 70.00\% | \$750 | \$0 | 2.00\% |
| 640 | 1.00\% | 1.10\% | 2.60\% | 4.70\% | 70.00\% | \$750 | \$0 | 2.00\% |
| 620 | 1.00\% | 1.15\% | 3.00\% | 5.15\% | 70.00\% | \$750 | \$0 | 2.00\% |
| 600 | 1.00\% | 1.20\% | 3.10\% | 5.30\% | 70.00\% | \$750 | \$0 | 2.00\% |
| 580 | 1.00\% | 1.25\% | 3.20\% | 5.45\% | 70.00\% | \$750 | \$0 | 2.00\% |
| 560 | 1.00\% | 1.30\% | 3.30\% | 5.60\% | 70.00\% | \$750 | \$0 | 2.00\% |
|  | $\left[\begin{array}{l} \therefore= \\ \vdots \\ \vdots \\ \hline \end{array}\right.$ | Generates contract rates that achieve your ROA target |  |  | $m$ |  | $\hat{00}$ |  |
| Enab pricin | s customized of your insured portfolio |  |  |  | The goal is to find the lowest rate possible in line with your goals |  | You define cost of funds, and all other variable servicing costs |  |

## Risk Based Pricing Components

| Calculated Interest Rate | $\mathbf{1 1 . 2 0 \%}$ |
| :--- | :---: |
| Interest Element to Cover Insurance Costs | $-3.19 \%$ |
| Interest Element to Recover LP Program Fee | $-1.48 \%$ |
| Interest Element to Recover Origination or Dealer Costs (2\%) | $-0.98 \%$ |
| Interest Element to Cover Repo and Sale Costs (\$750) | $-0.25 \%$ |
| Interest Element to Cover Potential Uninsured Loss (70\%) | $-0.60 \%{ }^{(1)}$ |
| Yield to Institution | $4.70 \%$ |
| Cost of Funds | $-1.00 \%$ |
| Servicing | $-1.10 \%$ |
| Net ROA to Institution | $2.60 \%$ |

*Element reserved for covering potential losses for selling vehicle below $80 \%$ of vehicle value. Customizable by institution that builds incremental interest into the rate to cover uninsured loss related to less than expected results in disposing of collateral.



## What are the costs?



PROGRAM
FEE

## Monthly Premium

$\checkmark$ Premium payment is a percentage of the interest
$\checkmark$ Paid only on active loans
$\checkmark$ Expensed as paid
$\cdot 0$ Only charged when insuring a loan


Based only on the risk of each loan


Recouped in the suggested contract rate to the borrower


Losses are mitigated on the front end


If loan prepays or defaults before term, obligation to pay premium terminates.

## F Program Fee (Two Options)

- Only charged when loan is insured
- Built into interest rate to borrower


## Program Fee Pays For:

$\checkmark$ Implementation
$\checkmark$ All Training and Support
$\checkmark$ All Decisioning
$\checkmark$ All Risk Based Pricing
$\checkmark$ Technology and Analytics
$\checkmark$ All Monthly Validation Reports
$\checkmark$ Dedicated Account Manager

| Month | Balance | Payment | Principal | Interest | Premium | Program Fee |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | (\$929.27) | (\$390.00) |
| 1 | \$13,000.00 | \$273.35 | \$169.88 | \$103.47 | (\$35.13) | (\$32.50) |
| 2 | \$12,830.12 | \$273.35 | \$171.23 | \$102.11 | (\$34.67) | (\$32.50) |
| 3 | \$12,658.89 | \$273.35 | \$172.59 | \$100.75 | (\$34.21) | (\$32.50) |
| 4 | \$12,486.29 | \$273.35 | \$173.97 | \$99.38 | (\$33.74) | (\$32.50) |
| 5 | \$12,312.33 | \$273.35 | \$175.35 | \$97.99 | (\$33.27) | (\$32.50) |
| 6 | \$12,136.97 | \$273.35 | \$176.75 | \$96.60 | (\$32.80) | (\$32.50) |
| 7 | \$11,960.23 | \$273.35 | \$178.16 | \$95.19 | (\$32.32) | (\$32.50) |
| 8 | \$11,782.07 | \$273.35 | \$179.57 | \$93.77 | (\$31.84) | (\$32.50) |
| 9 | \$11,602.50 | \$273.35 | \$181.00 | \$92.34 | (\$31.35) | (\$32.50) |
| 10 | \$11,421.50 | \$273.35 | \$182.44 | \$90.90 | (\$30.87) | (\$32.50) |
| 11 | \$11,239.05 | \$273.35 | \$183.89 | \$89.45 | (\$30.37) | (\$32.50) |
| 12 | \$11,055.16 | \$273.35 | \$185.36 | \$87.99 | (\$29.88) | (\$32.50) |
| 13 | \$10,869.80 | \$273.35 | \$186.83 | \$86.51 | (\$29.37) | \$0.00 |
| 14 | \$10,682.97 | \$273.35 | \$188.32 | \$85.03 | (\$28.87) | \$0.00 |
| 15 | \$10,494.64 | \$273.35 | \$189.82 | \$83.53 | (\$28.36) | \$0.00 |
| 16 | \$10,304.82 | \$273.35 | \$191.33 | \$82.02 | (\$27.85) | \$0.00 |
| 17 | \$10,113.49 | \$273.35 | \$192.85 | \$80.49 | (\$27.33) | \$0.00 |
| 18 | \$9,920.64 | \$273.35 | \$194.39 | \$78.96 | (\$26.81) | \$0.00 |
| 19 | \$9,726.25 | \$273.35 | \$195.94 | \$77.41 | (\$26.28) | \$0.00 |
| 20 | \$9,530.32 | \$273.35 | \$197.49 | \$75.85 | (\$25.75) | \$0.00 |
| 21 | \$9,332.82 | \$273.35 | \$199.07 | \$74.28 | (\$25.22) | \$0.00 |
| 22 | \$9,133.76 | \$273.35 | \$200.65 | \$72.70 | (\$24.68) | \$0.00 |
| 23 | \$8,933.11 | \$273.35 | \$202.25 | \$71.10 | (\$24.14) | \$0.00 |
| 24 | \$8,730.86 | \$273.35 | \$203.86 | \$69.49 | (\$23.59) | \$0.00 |

## Open Lending's Risk Decisioning has Demonstrated Impressive Accuracy

Percentage of Clients Within Target Yield (2010-2020)

## 2010 to 2020 YTD Claims Analysis



20,371 Expected

20,178 Actual

## 99.1\% Accuracy

The Accuracy of Open Lending's Model has Enabled over 90\% of Lenders to Achieve within 10\% of or Greater than their Target Yield

## Summary



## Getting started



## Implementation



## ©penLending <br> Say YES to more automotive loans.

## Q \& A - Sales and Implementations

## (3penLending

## Lender's Protection Demo

## OpenLending <br> Say YES to more automotive loans.

## Pop Quiz

| BORROWER | BORROWER | BORROWER |
| :---: | :---: | :---: |
| CREDIT SCORE | CREDIT SCORE | CREDIT SCORE |
| $125 \%$ Loan to Value | Used Vehicle | 125\% Loan to Value |
| 72 Month Term | Indirect Channel | Usen to Value |
| Used Vehicle | Default Rate | Direct Channel Term |
| Indirect Channel |  | Default Rate |
| Default Rate |  |  |


| BORROWER | BORROWER |
| :---: | :---: |
| CREDIT SCORE | CREDIT SCORE |
| $125 \%$ Loan to Value | (15\% Loan to Value Month Term |
| 72 Month Term | Used Vehicle |
| Used Vehicle | Indirect Channel |
| Indirect Channel | $26 \%$ |

BORROWER


CREDIT SCORE

125\% Loan to Value

72 Month Term

Used Vehicle

Direct Channel

24\%

| BORROWER | BORROWER | BORROWER |
| :---: | :---: | :---: |
| CREDIT SCORE | CREDIT SCORE | CREDIT SCORE |
| $95 \%$ Loan to Value | New Vehicle | 115\% Loan to Value |
| 72 Month Term | Normal File | Us Value Month Term |
| Used Vehicle | Default Rate | Thin Channel |
| Thick File |  | Default Rate |
| Default Rate |  |  |


| BORROWER | BORROWER | BORROWER |
| :---: | :---: | :---: |
| CREDIT SCORE | $110 \%$ Loan to Value | CREDIT SCORE |
| $95 \%$ Loan to Value | 60 Month Term | New Vehicle |
| 72 Month Term | Normal File | Used Vehicle |
| Used Vehicle | $33 \%$ | Thin Channel |
| Thick File |  | $32 \%$ |
| $15 \%$ |  |  |


| BORROWER | BORROWER | BORROWER |
| :---: | :---: | :---: |
| CREDIT SCORE | CREDIT SCORE | CREDIT SCORE |
| $125 \%$ Loan to Value | Used Vehicle | 125\% Loan to Value |
| 72 Month Term to Value |  |  |
| Used Vehicle | Normal File | Used Vehicle |
| Thick File | Default Rate | Thin File |
| Default Rate |  | Default Rate |


| BORROWER | BORROWER |
| :---: | :---: |
| CREDIT SCORE | CREDIT SCORE |
| $125 \%$ Loan to Value | Used Vehicle Loan to Value |
| 72 Month Term | Normal File |
| Used Vehicle | $20 \%$ |
| Thick File |  |
| $15 \%$ |  |

BORROWER

## 640

CREDIT SCORE

125\% Loan to Value

72 Month Term

Used Vehicle

Thin File

23\%

## (3penLending

## Q \& A - Lenders Protection Demo

Risk Management

## Functions of Risk Management

- Originations
- Test and recommend changes / modifications to underwriting rules to enhance approving more loans
- Lender Efficiency and Loan Growth
- 90 Day Certificate Volume Model
- Portfolio Analytics
- Monthly Portfolio Performance Reviews
- Delinquency Trend and Concern Analysis
- Claims Performance Monitoring
- Economic Outlook
- Quarterly 606 update
- Macros Economic Forecasting (Moody's)
- General Market Information and Trends Impacting Auto Finance Industry
- Modeling
- Scorecard Development
- Scorecard Performance Tracking
- Pricing Analysis and Recommendations
- Business Intelligence
- Develop, Deploy and Manage Automated Operational Reporting
- Liaison with IT - Infrastructure Team on Refinement of Analytical DW


## Risk Management Process



## Closing Comments

Near
Term
Growth
Strategy

- Drive Loan Volume through Further Wallet-Share Increase and Customer Penetration
- Expansion of Lender Base

1 Expand Core Business

2 OEM Opportunity
3 CECL Relief

4 Refinance Opportunities

- Enhanced Value Proposition to Lenders Provided via CECL Relief
- Increased Profitability for Financial Institutions in Near Prime Auto
- Increase OEM Captive Penetration by Addressing Broader Credit Spectrum and Deployment of Subvention Capabilities
- Enhanced Focus on Refinance Program to Drive Additional Cert Volume
- Ease of Customer Access in Reduced Interaction Environment

| Longer | (5) Broaden Our Offerings | Prime Decisioning SaaS Solution Expansion into Other Consumer Asset Classes |
| :---: | :---: | :---: |
|  |  |  |
| Growth <br> Strategy | 6 Launch into New Channels | Expansion into Adjacent Asset Classes (e.g., leases) Establish Broader Auto Platform (e.g., hub and spoke) |

## Compelling Investment Thesis



## OpenLending <br> Say YES to more automotive loans.




[^0]:    (1) Open Lending empowers its bank, credit union, and OEM captive customers to profitably lend to consumers with credit scores between 560 and 699 . Reflects 2020 market size. Source: Experian, New York Federal Note: Graph is illustrative.

[^1]:    *Model analyzes each contract individually, Utilizing Open Lending historical data and purchased external data elements to produce a holistic view of each risk

