


ACUIA
Association of Credit Union Internal Auditors

Credit Impairment Standards and Credit Risk Monitoring

Presented by Bob Parks
Tuesday June 25, 2013



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Michigan • Texas • Florida


Insight. Oversight. Foresight. SM

Agenda

Financial Institutions Group

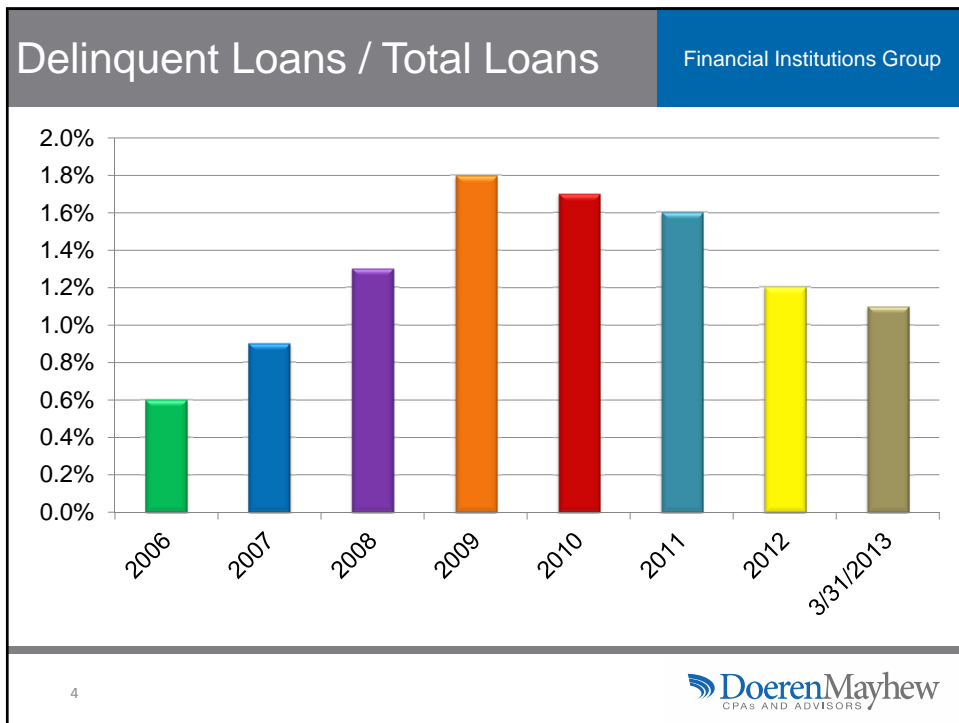

- Loan Loss Trends
- How Did We Get Here?
- Existing vs. Proposed
- Current Expected Credit Loss (CECL) Model Methodology
- Examples
- Transition, Implementation, and Disclosures
- Capital Implications
- FASB Comment Letters – What Do You Think?
- What's Next?
- Global Credit Risk Management Program
- Questions

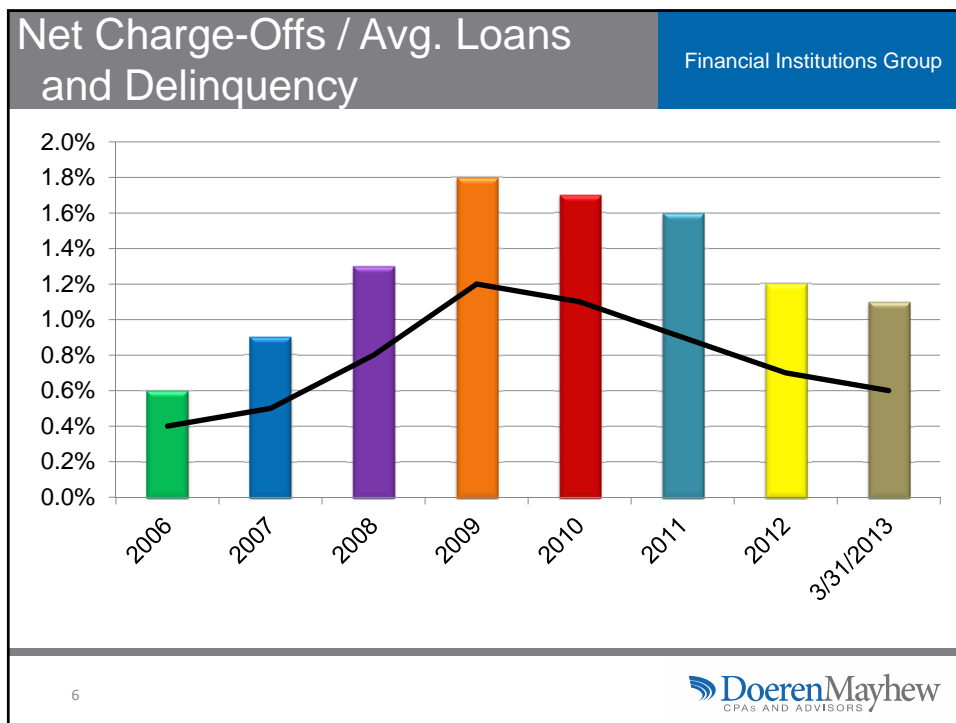
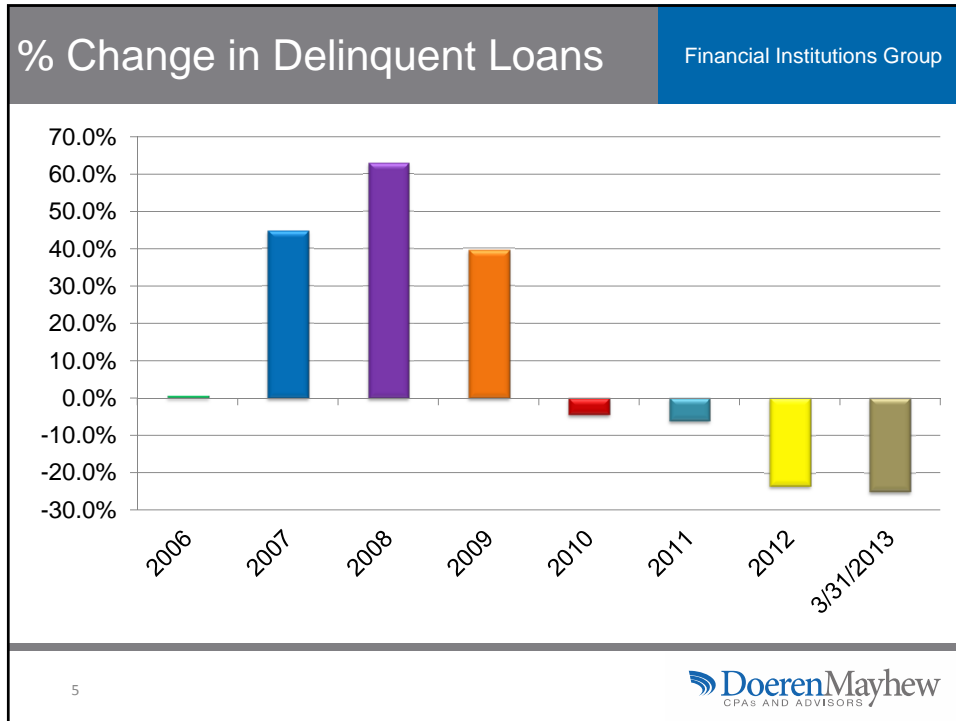
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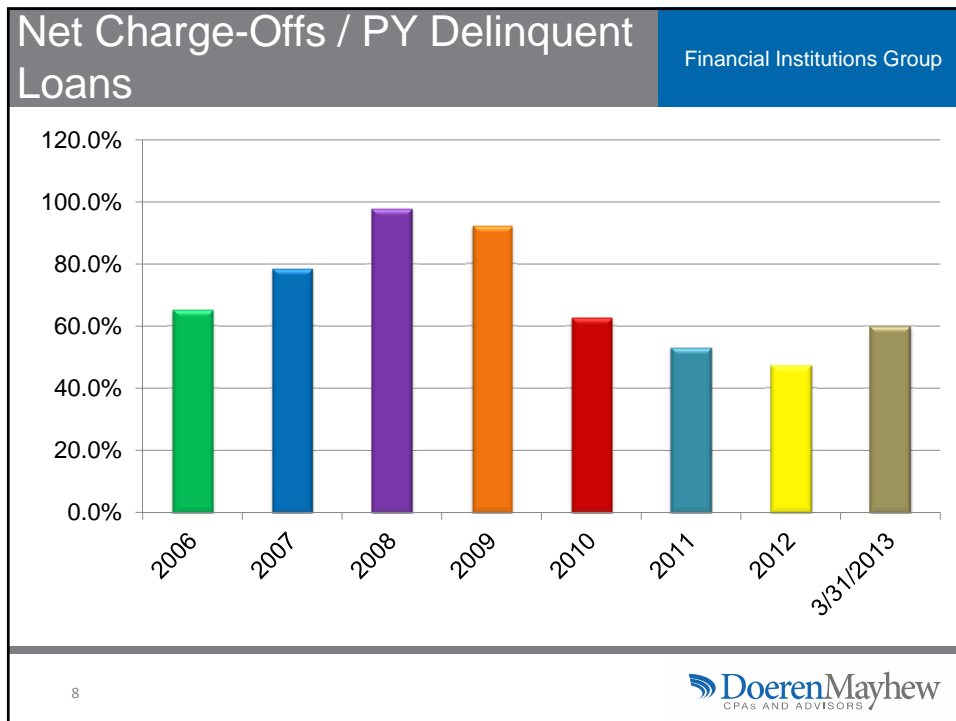
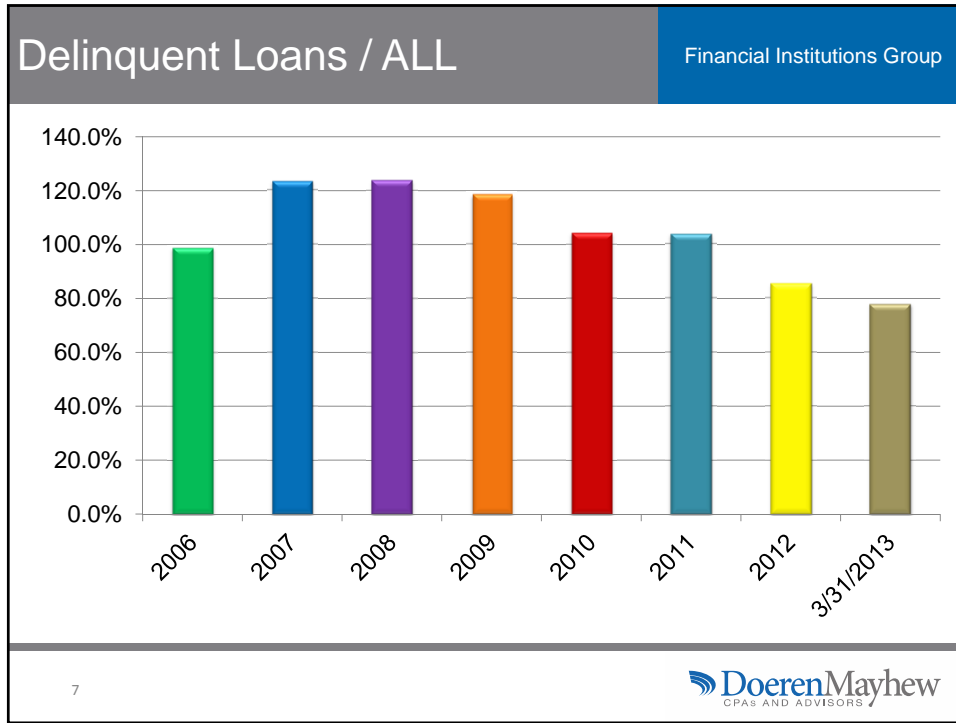


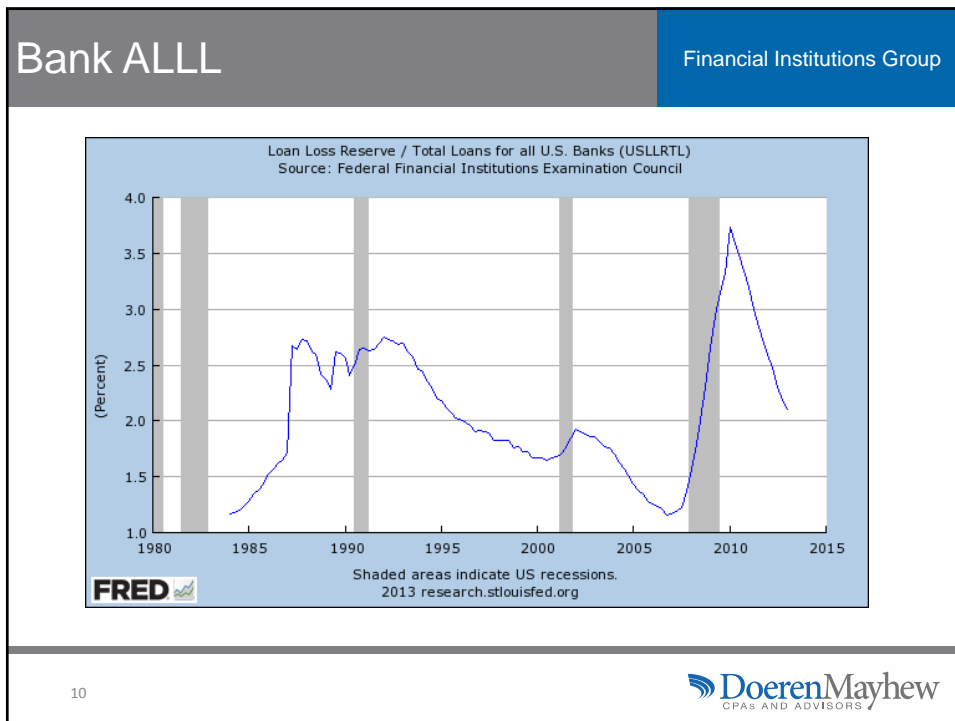
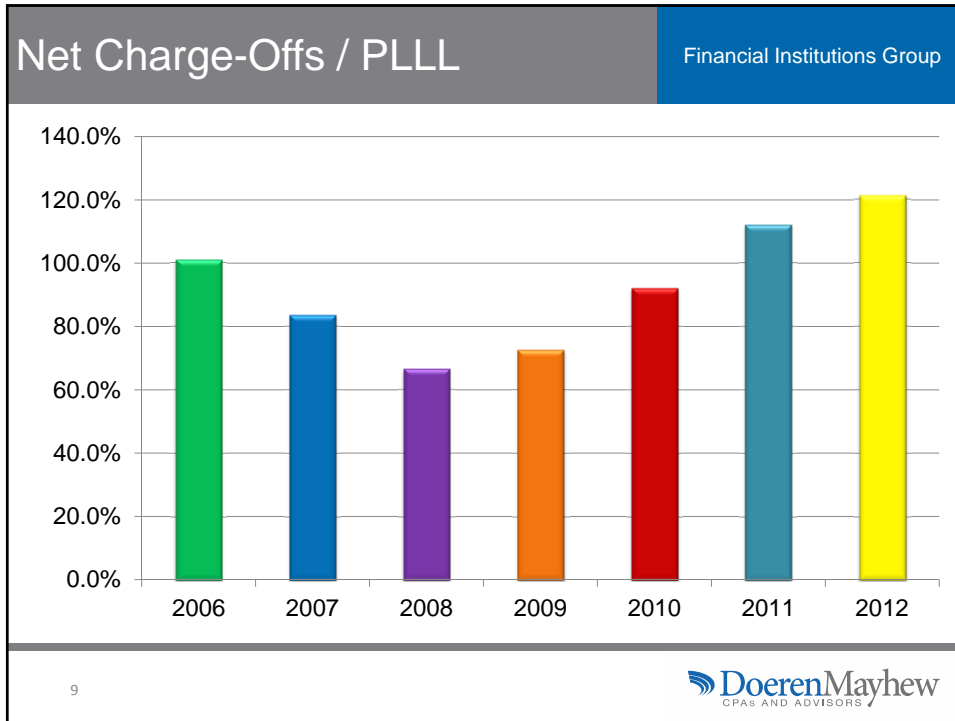
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Loan Loss Trends



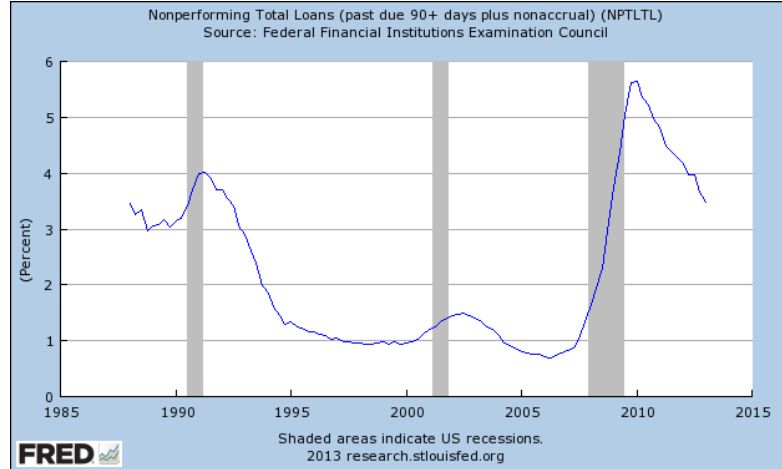






Bank Delinquency

Financial Institutions Group

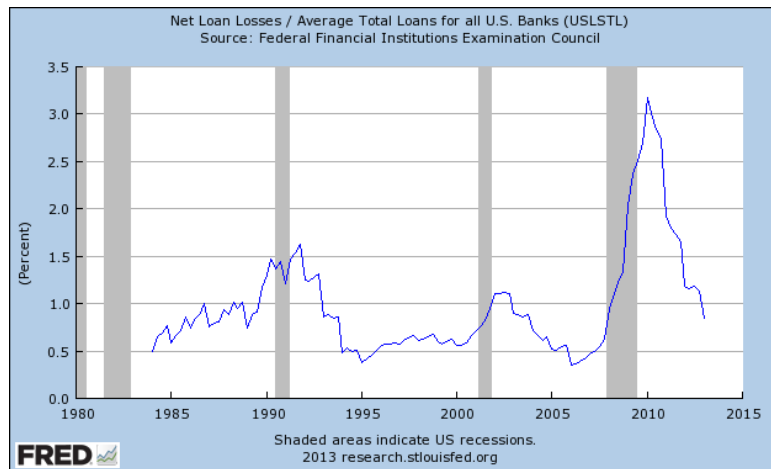


11

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Bank Net Charge-offs


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12

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How Did We Get Here?



Timeline

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The FASB and the IASB began a joint project to revise each board's accounting guidance for financial instruments and credit losses, with the goal of developing a converged, forward-looking current credit loss model. At this time, the two boards created a joint taskforce, the Financial Crisis Advisory Group (FCAG), to make recommendations on improvements that can influence new accounting guidance.

The two boards jointly proposed a new model, the Three Bucket Model (TBM). Following the proposed update, the FASB received multiple negative comments from stakeholders who viewed the model as too difficult to understand, implement and/or audit.

On March 7, 2013, the International Accounting Standards Board (IASB) published an accounting exposure draft related to a forward-looking loss model, which recognizes expected credit losses on a more timely basis. The public can comment on the exposure draft until July 5, 2013.

2008

2009

2011


2012

2013

The FCAG recommended that the boards jointly explore and create a converged accounting standard to use a forward-looking current loss model.

Due to these pressures, the FASB discontinued the development of the TBM and in December 2012, issued a different proposal. However, the IASB has decided to continue to refine the TBM, and is planning to have an updated proposal issued by end of the first quarter of 2013.

14



Why Address the Topic?

Financial Institutions Group

- After substantial criticism, the financial crisis and many iterations of a different impairment model, the FASB completed the Exposure Draft (ED) to address financial asset impairment, classification, and measurement perceived limitations in the current accounting guidance.
- Loan impairment changes proposed to respond to financial crisis criticism: “too little, too late.”
- Various assertions surfaced commenting (investors and regulators) financial institutions were inadequately reserved prior to the crisis, due to inherent constraints of the “incurred loss” impairment model used.

15

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Why Address the Topic?

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- Impairment for both loans and securities will now use the same model.
- The ED will address current accounting guidance limitations related to financial assets that have characteristics of loss but not yet past the 12 month threshold for Other Than Temporary Impairment (OTTI).
- The most visible criticism of the current incurred loss model comes from the financial sector, U.S. Security and Exchange Commission (SEC), investors, and regulators.

16

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Why Address the Topic?

Financial Institutions Group

- Investors and regulators believe financial institutions knew about higher risk in their subprime portfolios, however delayed provision funding because the losses had not yet been incurred.
- Develop a model to capture such risks and ensure timely loss recognition and ALLL funding.
- A credit impairment model that is easier for investors, regulators and other stakeholders to understand.



17

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Investor Feedback


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- FASB Investor Feedback Summary – June 11, 2013
- Remain concerned about delayed recognition of losses and adequacy of reserves
- Investor analysis now:
 - Adjust the reported amounts for analysts forecasts of expected credit losses
 - Determine near-term or long-term earnings risk and capital risk
 - Determine if risk based pricing model is appropriate
- Seek transparency
- Support change from incurred loss to expected loss model

18

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Investor Concerns	Financial Institutions Group
<ul style="list-style-type: none">• View allowance as capital set aside for future expected losses• Do not like concept of triggers for recognizing expected losses• <i>Having a trigger event is awful accounting. We have seen that. The application is inconsistent. How much deterioration is enough to warrant the full loss? I don't like the subjectivity in that. Will it actually cause banks to take more risk in the securities portfolio because they can hide behind the fact that a lot of the risk was already "priced in."</i> [U.S. largecap bank analyst]• <i>Reserves should be built as volume grows, now just as things deteriorate.</i> [U.S. large and midcap bank analyst]	
19	

Investor Concerns	Financial Institutions Group
<ul style="list-style-type: none">• Agreed with FASB's decision to revert to historical averages for periods beyond the foreseeable future<ul style="list-style-type: none">– Historical average would be more informative than an uneconomic assumption of zero credit losses• <i>You shouldn't assume zero losses in the future just because they are hard to predict. Most banks have a lot of history that should help them.</i> [Global large and midcap bank analyst]• <i>Booking anything other than lifetime losses introduces timing subjectivity.</i> [U.S. mid and largecap bank analyst (sell side)]	
20	

Investor Concerns

Financial Institutions Group

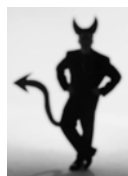
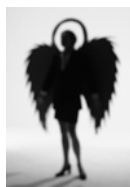
- Should be required to include both historical loss experience and supportable forecasts
- Adequate disclosure is critical due to subjectivity
- About 25% did not agree with the expected loss model



21

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Existing vs. Proposed



Existing Model: Incurred Loss

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- Accounting Standards Codification (ASC) 310 (former FAS 114)
 - Individually significant loans – non-performing and TDRs
 - Individual impairment
- ASC 450, Contingencies (former FAS 5)
 - Historical Loss Ratio (12 months)
- Environmental factors
 - Qualitative and quantitative
- Current GAAP for ALLL is based on an “incurred loss” basis; ALLL represents what you think you will lose on events “*that have already occurred.*”

23

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Proposed Changes - Overview


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- Proposed Accounting Standards Update (ASU) – Financial Instruments – Credit Losses – December 20, 2012
- Applies to the following:
 - Debt instruments (e.g. debt securities and loans), receivables resulting from revenue transactions & reinsurance receivables;
 - Lease receivables recognized by a lessor; and
 - Loan commitments (lines of credit).

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Proposed Changes - Overview	Financial Institutions Group
<ul style="list-style-type: none">• The proposed ASU redefines how financial institutions will measure Allowance for Loan and Lease Losses (ALLL) and OTTI on debt securities.• Impairment for both loans and securities will use the same loss model, the current expected credit loss (CECL) model.	
25	

Proposed Changes - Overview	Financial Institutions Group
<ul style="list-style-type: none">• Individually impaired loans currently accounted for under ASC 310-10 (old FAS 114); there will be little change.<ul style="list-style-type: none">– <i>TDRs Live On</i>• Performing loans currently accounted for under ASC 450 (old FAS 5); anticipate significant methodology and value changes.• “Purchased credit impaired loans” will be accounted for differently.• Provides guidance/definitions on collateral dependent financial assets, nonaccrual principle and write-offs for consistency with regulatory definitions.• Additional footnote disclosure enhancements.	
26	

Purchased Credit Impaired

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- **Purchased Credit-Impaired Financial Assets**
- Acquired individual or groups of financial assets with shared risk characteristics at the date of acquisition
 - Asset type
 - Credit risk rating
 - Delinquency status
 - Collateral type
 - Date of origination
 - Other factors influencing the likelihood of default
- Significant deterioration in credit quality since origination

27

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Collateral Dependent

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- **Collateral-Dependent Financial Asset**
- Repayment is expected to be provided primarily or substantially through the operation (by the lender) or sale of the collateral, based on an entity's assessment as of the reporting date.



28

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Write-offs

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- An entity shall directly reduce the cost basis in a financial asset (or portion of a financial asset) in the period in which the entity determines that it has no reasonable expectation of future recovery.
- The allowance for expected credit losses shall be reduced by the amount of the financial asset balance written off.
- Recovery of a financial asset previously written off shall be recognized by recording an adjustment to the allowance for expected credit losses only when consideration is received.



29

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Key Concept Changes

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- The proposed change will remove the existing Incurred Loss (IL) "probable" threshold with a new concept of CECL. This model will interpret credit loss as "expected".
- How you interpret "expected" will change the frequency and type of data and documentation required to support the estimate. It could significantly change the amount of ALLL that is ultimately recorded.



30

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Key Concept Changes

Financial Institutions Group

An allowance for credit losses represents “an estimate of all contractual cash flows **not expected** to be collected from a recognized financial asset or **commitment to extend credit.**”



31

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Loan Commitments

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- Legally binding commitments to extend credit with prespecified terms and conditions
- Fixed or Variable Rate
 - Revolving - amount of the overall commitment is reestablished upon repayment of previously drawn amounts
 - Nonrevolving amount of the overall commitment is not reestablished upon repayment of previously drawn amounts.

32

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Loan Commitments

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- **Estimation of Expected Credit Losses**
- estimate credit losses over the full contractual period the entity is exposed to credit risk
- present legal obligation to extend credit, unless unconditionally cancellable by the issuer.
- For period of exposure, the estimate of expected credit losses should consider
 - both the likelihood that funding will occur (which may be affected by, for example, a material adverse change clause)
 - and an estimate of expected credit losses on commitments expected to be funded.

33

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IASB Exposure Draft


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Differences from FASB's expected credit loss proposals?

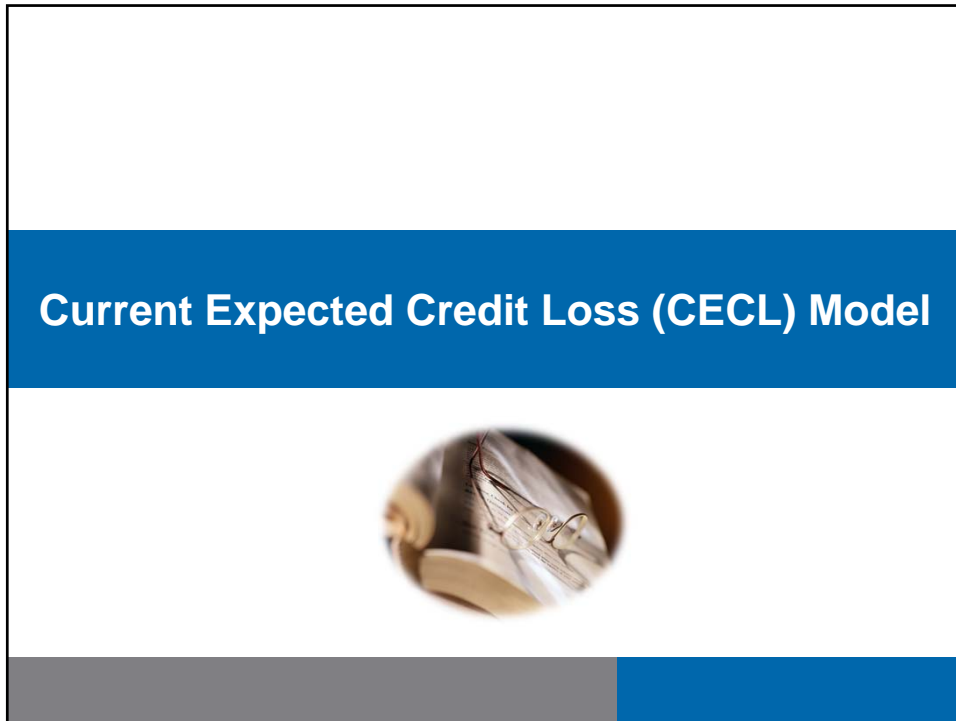
- FASB's proposed 'CECL' model, expected credit losses are always recognized at what is described as 'lifetime expected credit losses'
- IASB's measures expected credit losses for some financial instruments at amount equal to 12-month expected credit losses.
- Difference in timing of the recognition of lifetime expected credit losses between the two models.
- IASB and FASB plan to discuss jointly the comments received on their proposals
- Boards will determine if they can more closely align their models.

34

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IASB Exposure Draft	Financial Institutions Group
<p>“3 Bucket Model” – excluded from FASB ED</p> <ul style="list-style-type: none">• Stages of credit deterioration• Stage 1: financial instruments that <i>have not</i> deteriorated significantly in credit quality since initial recognition or have low credit risk at the reporting date.• 12-month expected credit losses are recognized	
35	

IASB Exposure Draft	Financial Institutions Group
<p>3 Bucket Model – excluded from FASB ED</p> <ul style="list-style-type: none">• Stage 2: financial instruments that <i>have</i> deteriorated significantly in credit quality since initial recognition (unless they have low credit risk at the reporting date) but that do not have objective evidence of a credit loss event. For these items, lifetime expected credit losses are recognized.• Stage 3: financial assets that <i>have</i> objective evidence of impairment at the reporting date. For these items, lifetime expected credit losses are recognized.	
36	



Loss Model: Current Expected
Credit Loss (CECL)

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- ALLL for performing loans will include losses for events that have occurred and may be expected over the life of the loan (LOL).
- Forward-looking factors **must** be considered in estimating the ALLL, including how you think the economic cycle will progress and how your portfolio will perform over long time periods.

Loss Model: Current Expected Credit Loss (CECL)

Financial Institutions Group

- Management's CECL model will have to:
 - Use the entire **contractual term** of the financial asset as the time horizon for estimating credit losses;
 - Consider relevant information about past events, current conditions and reasonable supportable forecasts;
 - Reflect the time value of money; and
 - Consider at least two possible outcomes
 - Cannot reflect a worst case or best case scenario (possibility that credit loss results or no credit loss results).

39

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Multiple Possible Outcomes

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- Estimate should always reflect both possibility that a credit loss results and that no credit loss results.
- Scenarios not required to be identified when a range of at least two outcomes is implicit in the method.
- Some methods (such as a loss-rate method, a roll-rate method, a probability-of-default method, and a provision matrix method using loss factors) rely on an extensive population of actual historical loss data.
- Therefore, they implicitly satisfy the requirement.
- Similarly, as a practical expedient, an entity may use the fair value of collateral (less estimated costs to sell, as applicable) in estimating credit losses for collateral-dependent financial assets.

40


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Time Value of Money

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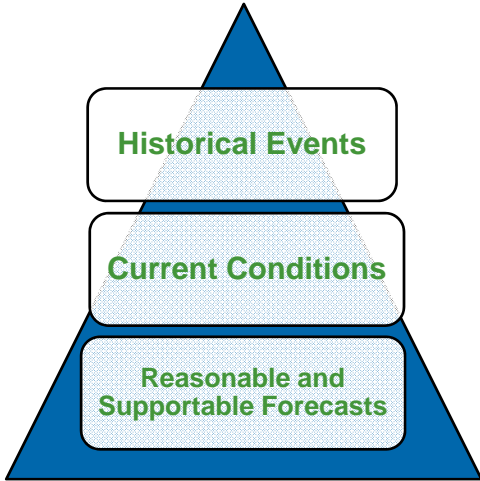
- Requires that an estimate of expected credit losses reflect the time value of money either explicitly or implicitly.
- Discounted cash flow model is an example of a method that explicitly reflects the time value of
- Other methods implicitly reflect the time value of money by developing loss statistics
- For collateral-dependent financial assets, an entity may use, as a practical expedient, methods that compare the amortized cost basis with the fair value of collateral.

41




What Needs to Be Done Now? Data Collection!

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42



CECL Model: Data
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- Historical Events
 - Historical loss experience of similar assets
 - Delinquency analysis
 - Credit ratings - Consumer
 - Risk ratings – Commercial
 - Loan to Values (LTV)
 - Loss factors from migration data
 - Aging analysis of amortized cost for past due debt instruments

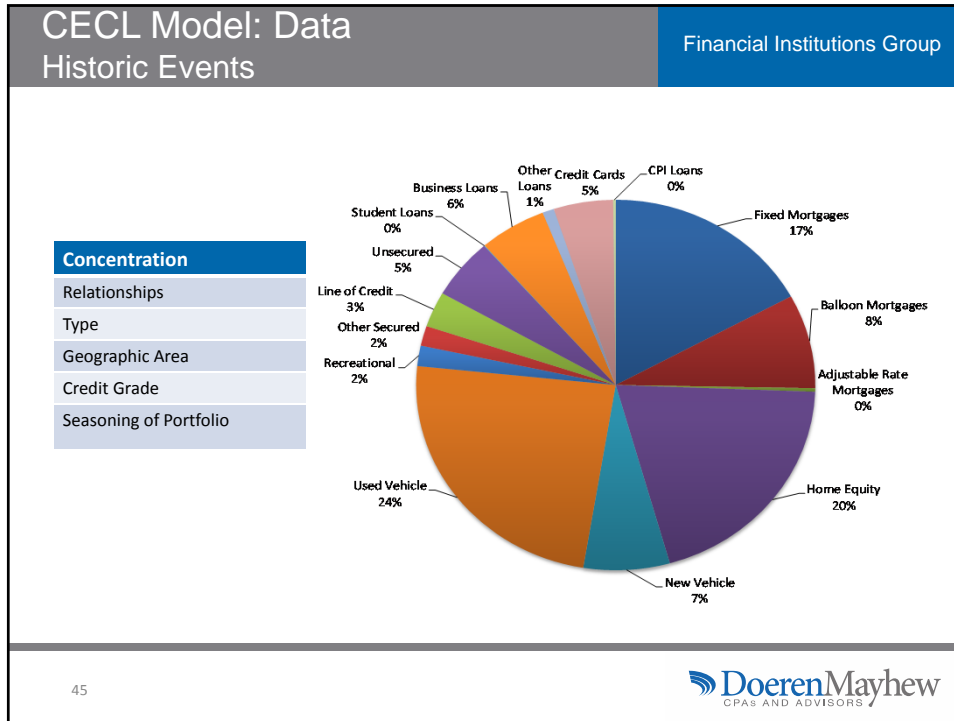
43

CECL Model: Data
Financial Institutions Group

Data Example (Historical Events) – Loss Severity

FICO Score & Delinquency Matrix				
FICO Score	Delinquency			
	<30	≥ 30 and <60	≥ 60 and <90	≥ 90
720 -850	1.97%	2.13%	2.33%	5.49%
690 -719	2.19%	3.19%	4.45%	6.49%
660 -689	2.28%	3.58%	5.24%	7.91%
620 -659	2.71%	5.62%	9.32%	15.30%
600 -619	4.16%	12.54%	23.13%	40.31%
1 -599	4.16%	12.54%	23.13%	40.31%
	2.74%	10.68%	18.92%	34.59%

44



- ### CECL Model: Data
- Financial Institutions Group
- Current conditions
 - Factors specific to the borrower
 - Underwriting standards
 - General economic environmental factors
 - Credit enhancement on existing contracts (i.e., additional collateral)
 - Bankruptcy filings
 - Current number of loans on non-accrual status, listed both by type and financial condition of creditor
- 46
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CECL Model: Data			Financial Institutions Group					
CECL Model - Data Example (Current Conditions)								
Credit Grade		Loan Characteristics						
Credit Grade	Credit Score Range	Number of Loans	Current Balance	% of Balance	Wtd Rmg Term Yrs	Wtd Score	Wtd Rate	
A+	720 - 850	9,041	\$ 86,737,039	28%	9	772	6.17%	
A	690 - 719	3,311	26,519,234	9%	7	704	7.66%	
B	660 - 689	4,057	32,636,289	11%	7	670	7.77%	
C	620 - 659	5,909	34,548,057	11%	7	641	10.54%	
D	600 - 619	3,476	17,203,445	6%	5	610	12.13%	
E	1 - 599	18,225	80,972,997	26%	5	540	13.36%	
TDR	0 - 0	414	29,542,362	10%	17	589	3.17%	
		44,433	\$308,159,423	100%	8	653	8.89%	


47





CECL Model: Data		Financial Institutions Group	
<ul style="list-style-type: none"> Reasonable & Supportable: <ul style="list-style-type: none"> Changes in prepayment speeds Changes in collateral values Geographic location, etc. Disaggregated at the portfolio segment level Expected credit losses using a discounted cash-flow model Internally and externally developed forecasted economic data 			


48



Loss-Rate Method	Financial Institutions Group
<ul style="list-style-type: none"> • Loss-rate method on an open portfolio of loans that continues to evolve as a result of new loan originations and paydowns. • Estimate expected credit losses by applying historical loss rate, updated for current conditions and reasonable and supportable forecasts that affect the collectability of remaining contractual cash flows. • Inappropriate to estimate expected credit losses for a long-term asset by multiplying an annual loss rate (net amount written off in a 12-month period divided by the average amortized cost) by the remaining years of contractual term because loss experience is often not linear. For certain types of lending, credit losses are low shortly after origination, rise rapidly in the early years of a loan, and then taper to a lower rate until maturity. 	
49	

Loss-Rate Method	Financial Institutions Group			
December 31, 20X1 (\$ in 000s)				
	Risk-Rating Category			
	Pass Category 2	Pass Category 4	Special Mention	
Expected loss rates	0.50%	3.00%	8.00%	1.60%*
Ending balance	<u>\$27,500</u>	<u>\$10,000</u>	<u>\$2,500</u>	<u>\$40,000</u>
Expected credit loss estimate	<u>\$138</u>	<u>\$300</u>	<u>\$200</u>	<u>\$638</u>
<p>* The 1.60% weighted-average loss rate is calculated as the total expected credit loss estimate divided by the ending balance.</p>				
50				

Loss-Rate Method – year 2	Financial Institutions Group
<ul style="list-style-type: none"> • Origination at a volume that approximates that of paydowns on existing loans within the portfolio. • In addition, some loans deteriorate at the rate that was expected at the beginning of the quarter. • Expects the loss rates used in estimating expected credit losses will be the same as prior year because the conditions on which the prior loss rate statistics were calculated remain consistent with the economic conditions expected over the remaining life of the loans • The entity calculates its estimate of expected credit losses for this portfolio as follows. 	
51	

Loss-Rate Method – Year 2	Financial Institutions Group			
March 31, 20X2 (\$ in 000s)				
	Risk-Rating Category			
	<u>Pass Category 2</u>	<u>Pass Category 4</u>	<u>Special Mention</u>	
Expected loss rates	0.50%	3.00%	8.00%	1.58%*
Beginning balance	\$27,500	\$10,000	\$2,500	\$40,000
New originations	2,300	-	-	2,300
Paydowns on outstanding loans	(1,510)	(560)	(130)	(2,200)
Loans charged off	-	-	(9)	(9)
Credit migration	(320)	115	205	-
Ending balance	<u>\$27,970</u>	<u>\$9,555</u>	<u>\$2,566</u>	<u>\$40,091</u>
Expected credit loss estimate	<u>\$140</u>	<u>\$287</u>	<u>\$205</u>	<u>\$632</u>
* The 1.58% weighted-average loss rate is calculated as the total expected credit loss estimated divided by the ending balance.				
52				

Example CECL Model: Consumer										Methods and Considerations			
Current Loan Characteristics					Current Delinquency				Calculated Results				Probable
Credit Grade	Current Balance	Wtd Rmg Term Yrs	Wtd Score	Wtd Rate	<30	≥30 and <60	≥60 and <90	≥90	Balance	90+DPD	Prepaid	Total	Default Exposure
A+	\$ 86.7	9	772	6.17%	\$ 86.73	\$ 0.01	\$ 0.00	\$ -	\$ 68.65	\$ 1.37	\$ 16.72	\$ 86.74	\$ 0.24
A	26.5	7	704	7.66%	26.47	0.01	0.01	0.02	19.88	0.45	6.20	26.52	0.13
B	32.6	7	670	7.77%	32.38	0.10	0.04	0.11	24.78	0.60	7.26	32.64	0.18
C	34.5	7	641	10.54%	34.14	0.30	0.02	0.09	33.59	0.96	-	34.55	0.26
D	17.2	5	610	12.13%	16.88	0.11	0.06	0.16	16.50	0.70	-	17.20	0.21
E	81.0	5	540	13.36%	74.16	3.43	1.11	2.28	71.62	9.35	-	80.97	2.41
TDR	29.5	17	589	3.17%	23.14	4.61	0.61	1.18	23.54	6.00	-	29.54	1.84
	308.2	8	653	8.89%	\$ 293.90	\$ 8.57	\$ 1.84	\$ 3.84	\$ 258.56	\$ 19.43	\$ 30.17	\$ 308.16	\$ 5.28
					95.4%	2.8%	0.6%	1.2%	83.9%	3%	9.8%	100.0%	1.7%

90+DPD considerations may include:

- Variance of "steady state historical" unemployment vs. current and future expectations/shock
- Current and expected credit/risk ratings changes
- Current performance (delinquency)

Prepaid considerations may include:

- Prepayment speeds based on loan type, rate, age and risk rating (lower credit/risk has less ability to prepay)

Default exposure considerations may include:

- Underlying collateral trends based on historical (when loan originated) vs. present and future expectations

53

CECL Model Considerations	Financial Institutions Group
<ul style="list-style-type: none"> Analysis of loan commitments <ul style="list-style-type: none"> Estimate credit losses over the full contractual period exposed Estimate likelihood of funding and losses on the funding Financial institutions must acquire local relevant data and adjust it to align with their specific underwriting terms, geographic location, etc. Finding, supporting, and adjusting market data for adjustments may prove quite challenging. <ul style="list-style-type: none"> Credit reporting vendor – frequency/usability Prepayment speeds Collateral value trends: commercial real estate, residential real estate, and equipment 	

54

CECL Model Considerations

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- Frequent changes to any assumed loss rates, because they apply to many forward looking (periods) years, could add significant volatility to the ALLL.
 - Consistency of application and comparability of peers
- Vintage data may become a primary factor in the ALLL analysis for consumer and real estate loans.
- Vintage data is typically able to capture when a vast majority of losses occur.
 - For example, 93% of your losses occur in the first three years after origination of a specific product.
 - Calculating the age (seasoning) of the portfolio can help provide input in the estimation process.

55

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Vintage Analysis

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- The four-year amortizing loans are secured by equipment purchased using a relatively consistent range of loan-to-collateral-value ratios at origination.
- The underlying equipment collateral is repossessed and sold at auction when the borrower becomes 90 days past due.
- Loans tracked on the basis of the calendar-year of origination.
- Pattern of credit loss experience developed based on the ratio of the amortized cost basis in each vintage that was written off.

56

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Vintage Analysis

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Year of Origination	Loss Experience in Years Following Origination				
	Year 1	Year 2	Year 3	Year 4	Total
20X1	0.50%	1.20%	1.40%	0.30%	3.40%
20X2	0.60%	1.20%	1.60%	0.50%	3.90%
20X3	0.40%	1.10%	1.50%	0.30%	3.30%
20X4	0.60%	1.10%	1.50%	0.40%	3.60%
20X5	0.50%	1.30%	1.70%	0.50%	4.00%
20X6	0.70%	1.50%	1.80%		
20X7	0.80%	1.40%			
20X8	0.70%				
20X9					

57

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Impact Expected for ALLL

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- Losses would be recognized sooner than under the incurred loss model. A financial institution would not wait for a loss event to occur.
- ALLL balances will generally be higher under the CECL than they are now.
- Impact will be influenced by how regulators, investors and auditors interpret the CECL model.



58

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Impact Expected for ALLL

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- Growing loan portfolios will record higher loan loss provision expenses quicker than today.
- Consistency of application and comparability
 - Supporting documentation is key



59

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Other Considerations

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- ALLL should provide for **expected** losses. Consider current coverage ratios and the increase that may result from LOL.
- Capital requirements are considered to protect against **unexpected** losses.
- Consider the range of estimates to determine the specific impact of an expected loss model on current regulatory capital and GAAP capital.

60

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Other Considerations

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- Two important factors in whether the final CECL will require a LOL loss allowance or not are interpretations of financial institution regulators and preferences of the investment community.
- CECL is proposed mainly to capture such risks, without insisting on a true LOL loss, the new model is purported to be operationally simpler.
- FASB has information that the vast majority of losses occur in the first two to three years (vintage analysis is valuable for this perspective) after loan origination.
- It's believed the regulators support a LOL loss concept, though they have not addressed it in any detail.

61


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Example




Insight. Oversight. Foresight. SM

Example Process Methodology		Financial Institutions Group
<ul style="list-style-type: none"> • Example taken from fair value calculation related to merger • Market component will be disregarded • Loan data was gathered and segmented into the following sources: 		
Loans		
• 15 Year Mortgage	• Home Equity LOC	• Recreational Vehicle
• 20 Year Mortgage	• Line of Credit	• Share Secured
• 30 Year Mortgage	• New Auto	• Unsecured
• Home Equity	• Other Secured	• Used Auto

63 

Loan Characteristics		Financial Institutions Group
<ul style="list-style-type: none"> • Each source data categorized by loan type with similar characteristics in order to calculate such items as current weighted loan terms, interest rates, and seasoning in preparation of valuing. • Discount rate used is the rate that would be charged for an equivalent loan in the market at the time of the valuation, not the contractual interest rate stated on the loan. Analysis on specific characteristics of these portfolios include the following: 		
Loan Characteristics		
Loan Type	Loan Purpose	Loan Collateral
Original Balance	Current Balance	Prepayment Speeds
Original Contractual Loan Term	Remaining Contractual Loan Term	Original Credit Score
FICO Scores	Reset Dates	Reset, Floor, & Ceiling Rates
Current Yields	Market Rates	Market Credit Risk Premiums

64 

Example Methodology
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- Loans segmented between delinquent < 60 days and > 60 days.
- Loans delinquent < 60 days valued based on liquidity, credit, collateral, and market characteristics.
- Loans delinquent > 60 days analyzed and additional measurement applied for added risk of repayment.
- Loan portfolio rescored by an independent agency.
- Credit scores used to determine the appropriate credit risk premium to be applied to each loan.
- Each loan category segmented and weighted by the categories' current balance to calculate weighted rate, term, and credit score.
- Larger loan categories stratified further by credit class.

65

Prepayment Rates
Financial Institutions Group

- The following conditional prepayment rates (“CPR”) were used in valuing the various loan types:

Prepayment Rates					
Loan Type	CPR*	Loan Type	CPR*	Loan Type	CPR*
Conv 30-yr 3.5	17.8%	Conv 30-yr 7.5	23.7%	1-yr CMT 3/1 Hybrid, Convertible	29.5%
Conv 30-yr 4	24.6%	Conv 15-yr 3.5	22.0%	1-yr CMT 5/1 Hybrid, Convertible	25.1%
Conv 30-yr 4.5	27.8%	Conv 15-yr 4	22.7%	1-yr CMT 7/1 Hybrid, Convertible	23.5%
Conv 30-yr 5	28.2%	Conv 15-yr 4.5	22.2%	1-yr CMT 10/1 Hybrid, Convertible	25.0%
Conv 30-yr 5.5	26.4%	Conv 15-yr 5	21.7%	Unsecured Any	16.0%
Conv 30-yr 6	24.5%	Conv 15-yr 5.5	22.8%	Auto	18.6%
Conv 30-yr 6.5	22.4%	Conv 15-yr 6	20.4%		
Conv 30-yr 7	23.4%	1-yr CMT ARM, Convertible	15.8%		

Source: SIFMA; Bloomberg

66

Credit Risk Premiums

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- Credit risk premiums based on data provided by Informa Research Services.
- Risk-based lending premiums are assessment of FICO national averages.
- Credit risk premiums were not available for certain lower credit score ranges therefore higher premiums were utilized.


Score	Low	High	36 Month	48 Month	60 Month
A+	720	850	0.10%	0.10%	0.10%
A	690	719	1.40%	1.39%	1.38%
B	660	689	3.53%	3.52%	3.53%
C	620	659	7.26%	7.26%	7.31%
D	590	619	12.43%	12.44%	12.53%
E	500	589	13.61%	13.60%	13.73%
Below E	350	499	15.00%	15.00%	15.00%

Score	Low	High	Unsecured
A+	720	850	0.50%
A	690	719	2.00%
B	660	689	4.00%
C	640	659	8.00%
D	600	639	14.00%
E	350	599	18.00%

Score	Low	High	Mortgages	7/1 ARM
A+	760	850	0.10%	0.10%
A	700	759	0.22%	0.22%
B	680	699	0.40%	0.40%
C	660	679	0.61%	0.61%
D	640	659	1.04%	1.04%
E	620	639	1.59%	1.59%
Below E	350	619	3.00%	3.00%

Score	Low	High	15 Yr HE
A+	740	850	0.10%
A	720	739	0.30%
B	700	719	0.80%
C	670	699	1.58%
D	640	669	3.08%
E	620	639	4.33%
Below E	350	619	5.50%

67




Valuation Summary

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All Loans					
Valuation Category	Current Balance	Market Adjustment	Credit/Collateral Adjustment	Total Adjustment	4/30/2012 Fair Value
Aires Loans					
15 Year Mortgage	\$ 18,843	\$ 463	\$ (39)	\$ 424	\$ 19,267
20 Year Mortgage	128,072	8,380	(718)	7,662	135,734
30 Year Mortgage	91,906	8,691	(771)	7,920	99,826
Home Equity Loan	942,425	32,438	(52,975)	(20,537)	921,889
Home Equity LOC	119,340	712	(842)	(130)	119,210
Line of Credit	157,157	10,802	(14,262)	(3,460)	153,697
New Auto	951,185	31,324	(61,572)	(30,247)	920,938
Other Secured	98,395	4,958	(5,298)	(340)	98,055
Recreational Vehicle	1,536,732	23,476	(90,638)	(67,162)	1,469,570
Share Secured	83,181	-	-	-	83,181
Unsecured	407,353	2,826	(21,615)	(18,788)	388,564
Used Auto	13,321,369	223,776	(888,364)	(664,588)	12,656,781
Total Aires Loans	\$ 17,855,957	\$ 347,847	\$ (1,137,094)	\$ (789,247)	\$ 17,066,710
Credit Cards	4,328,246	1,682,537	(1,124,559)	557,978	4,886,224
Visa Cash Advances in Progress	27,400	-	-	-	27,400
Deferred Costs	19,498	(19,498)	-	(19,498)	-
Mortgage Loans Servicing	4,052,034	184,517	(64,269)	120,248	4,172,282
TOTALS	\$ 26,283,135	\$ 2,195,404	\$ (2,325,922)	\$ (130,518)	\$ 26,152,617
<i>As a % of Current Balance</i>	<i>100.0%</i>	<i>8.4%</i>	<i>-8.8%</i>	<i>-0.5%</i>	<i>99.5%</i>

68



In-House Loans

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Valuation Category	Current Balance	Average Balance	Count	Weighted Averages				Delinquency					
				Contractual		FICO		<30	≥ 30 and <60	≥ 60 and <90	≥ 90 and <120	≥120	
				Rate	Term	Remaining	Score						
15 Year Mortgage	\$ 18,843	4,711	4	6.46%	180	19	736	\$ 18,843	\$ -	\$ -	\$ -	\$ -	\$ -
20 Year Mortgage	128,072	18,296	7	6.82%	240	80	738	128,072	-	-	-	-	-
30 Year Mortgage	91,906	45,953	2	7.12%	360	199	735	91,906	-	-	-	-	-
Home Equity Loan	942,425	16,534	57	7.49%	142	76	664	896,170	33,198	-	-	-	13,057
Home Equity LOC	119,340	10,849	11	4.99%	151	64	763	119,340	-	-	-	-	-
Line of Credit	157,157	1,288	122	14.74%	48	36	676	154,075	339	-	-	-	2,743
New Auto	951,185	14,862	64	5.45%	74	53	695	951,185	-	-	-	-	-
Other Secured	98,395	1,613	61	9.61%	27	21	637	97,272	1,124	-	-	-	-
Recreational Vehicle	1,536,732	5,911	260	6.95%	78	54	697	1,522,833	4,090	9,808	-	-	-
Share Secured	83,181	3,781	22	6.72%	57	40	711	83,181	-	-	-	-	-
Unsecured	407,353	1,623	251	10.11%	34	26	693	392,877	323	3,567	3,942	6,643	6,643
Used Auto	13,321,869	6,888	1,934	5.58%	55	42	678	13,155,751	77,221	21,212	1,755	65,431	65,431
TOTALS	\$ 17,855,957	\$ 6,389	2,795	6.02%	66	46	682	\$ 17,611,504	\$ 116,295	\$ 34,588	\$ 5,697	\$ 87,873	\$ 87,873
								98.6%	0.7%	0.2%	0.0%	0.5%	
								17,727,799		128,158			

69

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Loans < 60 Days Delinquent

Financial Institutions Group

Valuation Category (Credit Score Range)	Current Balance	Count	Weighted Averages				Prepay Resolving Term	Market Rate	Credit Risk Adjusted Market Rate	Market Adjustment	Credit/ Collateral Adjustment	Total Adjustment	Fair Price	Fair Value
			Contractual		FICO									
			Rate	Term	Remaining	Score								
15 Year Mortgage	18,843	4	6.46%	180	19	736	9	3.06%	463	(39)	424	102.3%	19,267	
760 - 850	11,659	2	6.18%	180	22	774	10	3.06%	316%	302	(10)	292	102.5%	11,951
600 - 699	5,869	1	7.00%	180	13	682	7	3.06%	3.46%	126	(13)	113	101.9%	5,982
620 - 639	1,314	1	6.50%	180	20	836	9	3.06%	4.65%	85	(16)	19	101.4%	1,333
20 Year Mortgage	128,072	7	6.82%	240	80	738	28	3.78%	8.38%	8,380	(718)	7,662	106.0%	135,734
760 - 850	40,750	3	6.75%	240	80	738	28	3.78%	3.88%	2,610	(50)	2,516	106.2%	41,278
700 - 759	65,113	3	6.84%	240	82	729	28	3.78%	4.00%	4,337	(350)	4,007	106.2%	69,120
660 - 679	22,199	1	6.88%	240	76	679	27	3.78%	4.39%	1,433	(295)	1,137	105.1%	23,337
30 Year Mortgage	91,906	2	7.12%	360	199	735	38	3.81%	8.691	(771)	7,920	108.6%	99,826	
700 - 759	79,757	1	6.88%	360	207	744	39	3.81%	4.03%	7,102	(554)	6,548	108.2%	86,305
660 - 679	12,149	1	8.75%	360	146	679	35	3.81%	4.42%	1,589	(217)	1,372	111.3%	11,520
Home Equity Loan	926,368	56	7.49%	143	77	660	27	5.77%	32,438	(46,057)	(13,618)	98.5%	915,750	
740 - 850	292,216	16	7.26%	136	72	768	26	5.77%	5.87%	5,521	(585)	7,936	102.7%	300,152
720 - 739	64,642	7	7.00%	120	43	731	18	5.77%	6.07%	1,109	(273)	836	102.3%	65,479
700 - 719	7,051	1	6.79%	120	27	704	12	5.77%	6.57%	71	(21)	50	100.7%	7,101
670 - 699	102,967	5	6.95%	175	118	697	35	5.77%	7.35%	3,075	(2,097)	979	101.0%	103,946
840 - 869	32,202	8	7.58%	240	72	836	29	3.77%	8.23%	2,233	(5,399)	(2,160)	97.7%	30,042
620 - 639	43,045	1	8.99%	180	119	636	35	5.77%	10.10%	3,571	(8,682)	(2,111)	97.4%	42,934
350 - 619	330,608	17	7.80%	141	72	555	26	5.77%	11.27%	12,845	(32,811)	(20,086)	93.7%	300,523
NA	6,637	1	5.99%	60	18	NA	9	5.77%	7.25%	10	(73)	(62)	99.1%	6,575
Home Equity LOC	119,340	11	4.99%	151	64	701	14	4.59%	712	(842)	(130)	99.8%	119,210	
740 - 850	88,602	3	4.99%	117	44	780	18	4.59%	4.69%	442	(111)	332	100.4%	88,834
720 - 739	88	1	4.99%	240	86	727	25	4.59%	4.89%	1	(1)	0	100.2%	88
700 - 719	12,759	1	4.99%	240	82	718	25	4.59%	5.29%	87	(73)	24	100.2%	12,784
670 - 699	10,188	2	4.99%	240	124	672	28	4.59%	6.17%	84	(331)	(243)	97.6%	9,853
NA	8,683	2	4.99%	240	141	NA	29	4.59%	6.17%	85	(326)	(241)	97.5%	8,442
Line of Credit	154,414	120	15.00%	48	36	678	17	9.52%	10,802	(12,014)	(1,212)	99.2%	153,202	
720 - 850	47,176	40	15.00%	48	36	759	17	9.52%	10.03%	3,800	(315)	2,985	104.8%	50,161
690 - 719	21,152	15	15.00%	48	36	704	17	9.52%	11.53%	1,508	(567)	941	104.4%	22,493
660 - 689	21,511	19	15.00%	48	36	679	17	9.52%	13.53%	1,648	(1,217)	431	101.8%	23,801
640 - 659	16,636	13	15.00%	48	36	648	17	9.52%	17.53%	1,164	(1,658)	(494)	97.0%	16,142
600 - 639	27,170	18	15.00%	48	36	625	17	9.52%	23.52%	1,901	(4,493)	(2,592)	90.5%	24,578
350 - 599	18,329	15	15.00%	48	36	552	17	9.52%	27.52%	1,282	(3,765)	(2,483)	86.5%	15,846

70

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Loans < 60 Days Delinquent

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Loans < 60 Days Delinquent														
Valuation Category (Credit Score Range)	Current Balance	Count	Weighted Averages				Prepay Remaining Term	Market Rate	Credit Risk Adjusted Market Rate	Market Adjustment	Credit/Collateral Adjustments	Total Adjustment	Fair Price	Fair Value
			Contractual Rate	Term	Remaining Score	FICO Score								
New Auto	951,185	64	5.45%	74	53	672	21	3.89%		31,824	(61,573)	(30,247)	96.8%	930,938
720 - 850	433,811	33	5.25%	72	48	761	20	3.99%	3.59%	12,034	(697)	11,337	102.6%	443,148
690 - 719	63,715	3	4.52%	79	67	707	25	3.49%	4.87%	1,297	(1,729)	(432)	99.3%	63,284
660 - 689	91,080	4	4.41%	78	63	680	24	3.49%	7.02%	1,589	(5,644)	(4,254)	95.3%	86,826
620 - 659	183,834	10	5.17%	69	55	641	22	3.49%	10.80%	5,366	(11,645)	(16,278)	91.1%	167,556
590 - 619	36,534	4	6.59%	77	37	597	16	3.49%	16.01%	1,477	(3,452)	(3,975)	89.1%	32,559
500 - 589	109,442	5	7.85%	79	60	567	24	3.49%	17.22%	8,939	(24,820)	(15,881)	85.5%	93,563
NA	32,767	5	5.05%	69	34	NA	15	3.49%	7.02%	622	(1,386)	(764)	97.7%	32,003
Other Secured	98,395	61	8.61%	27	21	619	10	3.16%		4,958	(5,298)	(340)	99.7%	98,055
720 - 850	9,850	6	8.57%	23	20	758	9	3.16%	3.26%	418	(8)	410	104.1%	10,260
690 - 719	15,113	4	6.61%	47	42	712	18	3.16%	4.56%	746	(309)	437	102.9%	15,550
660 - 689	16,542	9	8.28%	21	17	675	8	3.16%	6.69%	587	(488)	179	101.1%	16,721
620 - 659	16,011	11	10.11%	24	16	645	8	3.16%	10.42%	751	(781)	(30)	99.6%	15,981
590 - 619	8,925	5	11.38%	24	19	604	10	3.16%	15.59%	571	(844)	(273)	96.9%	8,651
500 - 589	27,003	17	11.51%	24	19	548	9	3.16%	16.77%	1,747	(2,765)	(1,018)	96.2%	25,984
350 - 499	2,050	2	9.96%	19	12	474	6	3.16%	18.00%	70	(147)	(77)	96.2%	1,972
NA	2,803	6	9.97%	11	8	NA	4	3.16%	6.69%	67	(85)	37	101.1%	2,834
Recreational Vehicle	1,526,923	296	6.94%	78	54	693	21	6.00%		31,476	(85,141)	(61,665)	96.9%	1,465,258
720 - 850	705,615	107	6.01%	82	57	767	22	6.00%	6.10%	1,702	(1,206)	(1,056)	99.9%	702,578
690 - 719	161,432	27	6.69%	76	47	707	20	6.00%	7.88%	1,707	(3,361)	(1,653)	99.0%	159,779
660 - 689	188,683	28	7.43%	71	58	672	23	6.00%	9.53%	4,724	(11,341)	(6,617)	96.5%	182,066
620 - 659	178,219	37	7.88%	74	52	643	21	6.00%	13.31%	5,486	(18,874)	(14,388)	91.9%	163,831
390 - 619	179,348	29	8.73%	83	36	604	22	6.00%	18.00%	8,430	(32,988)	(24,558)	88.3%	154,888
500 - 589	87,166	17	7.95%	68	49	536	20	6.00%	18.00%	2,674	(14,597)	(11,923)	88.3%	75,242
350 - 499	18,145	4	8.77%	58	21	456	10	6.00%	18.00%	388	(1,538)	(1,254)	83.1%	16,891
NA	10,118	10	6.03%	40	17	NA	8	6.00%	9.83%	2	(386)	(384)	97.7%	9,884
Share Secured	83,181	22	6.72%	57	40	575	NA	NA	NA	-	-	-	100.0%	83,181
720 - 850	33,703	6	7.21%	54	31	762	NA	NA	NA	-	-	-	100.0%	33,703
690 - 719	6,477	2	6.22%	36	26	710	NA	NA	NA	-	-	-	100.0%	6,477
660 - 689	18,061	11	7.30%	71	48	679	NA	NA	NA	-	-	-	100.0%	18,061
620 - 659	4,927	4	8.41%	18	15	658	NA	NA	NA	-	-	-	100.0%	4,927
500 - 589	2,888	3	5.89%	29	13	568	NA	NA	NA	-	-	-	100.0%	2,888
350 - 499	1,625	1	6.25%	63	15	466	NA	NA	NA	-	-	-	100.0%	1,625
NA	16,000	3	5.50%	68	68	NA	NA	NA	NA	-	-	-	100.0%	16,000

71



Loans < 60 Days Delinquent

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Loans < 60 Days Delinquent														
Valuation Category (Credit Score Range)	Current Balance	Count	Weighted Averages				Prepay Remaining Term	Market Rate	Credit Risk Adjusted Market Rate	Market Adjustment	Credit/Collateral Adjustments	Total Adjustment	Fair Price	Fair Value
			Contractual Rate	Term	Remaining Score	FICO Score								
Unsecured	393,200	242	10.28%	34	26	679	12	9.52%		2,826	(13,223)	(10,396)	97.4%	382,804
720 - 850	154,817	74	9.79%	39	30	755	14	9.52%	10.02%	435	(830)	(395)	99.7%	154,422
690 - 719	75,069	32	10.08%	36	29	704	14	9.52%	11.52%	434	(1,556)	(1,122)	98.5%	73,946
660 - 689	62,761	29	11.17%	33	26	676	12	9.52%	13.52%	998	(2,371)	(1,373)	97.8%	61,388
640 - 659	27,531	25	10.77%	26	18	649	9	9.52%	17.52%	249	(1,532)	(1,283)	95.3%	26,248
600 - 639	39,566	24	11.73%	30	22	623	11	9.52%	23.52%	749	(4,421)	(3,672)	90.7%	35,894
350 - 599	21,776	21	9.57%	22	16	571	8	9.52%	27.52%	9	(2,338)	(2,329)	89.3%	19,447
NA	11,682	37	8.45%	15	9	NA	5	9.52%	13.52%	(48)	(174)	(222)	100.0%	11,459
Used Auto	13,232,972	1,916	5.58%	55	42	654	18	4.37%		223,776	(819,372)	(595,596)	95.5%	12,637,376
720 - 850	4,584,215	614	4.45%	57	43	763	18	4.37%	4.47%	5,092	(6,519)	(1,427)	100.0%	4,582,788
690 - 719	1,402,334	196	4.94%	56	43	703	18	4.37%	5.76%	11,506	(27,744)	(16,238)	98.8%	1,386,096
660 - 689	1,803,438	237	5.43%	56	44	674	18	4.37%	7.89%	28,116	(90,600)	(62,484)	96.5%	1,740,954
620 - 659	2,069,551	289	6.16%	54	43	641	18	4.37%	11.63%	52,962	(202,814)	(149,852)	92.8%	1,919,699
590 - 619	1,153,213	174	6.90%	55	43	604	18	4.37%	16.81%	42,443	(188,014)	(145,571)	87.4%	1,007,642
500 - 589	1,443,073	239	7.37%	52	39	553	17	4.37%	17.97%	58,209	(237,877)	(179,668)	87.5%	1,263,404
350 - 499	272,989	45	7.94%	53	36	481	16	4.37%	18.00%	12,291	(42,806)	(30,515)	88.8%	242,474
NA	504,159	122	6.35%	52	38	NA	16	4.37%	7.89%	13,157	(22,998)	(9,841)	98.0%	494,318
TOTALS	\$ 17,727,799	2,764	0.06018	66	46	660	19	4.66%		\$ 347,847	\$ (1,045,046)	\$ (697,199)	96.1%	\$ 17,030,600

72



Loans > 60 Days Delinquent

Financial Institutions Group

Loans ≥ 60 Days Delinquent

Valuation Category	Current Balance	Average Balance	Count	Weighted Averages			FICO Score	Market Rate	Credit Risk Adjusted Market Rate	Credit/Collateral Adjustment	Fair Price	Fair Value
				Contractual		Remaining						
				Rate	Term							
Home Equity Loan	13,057	13,057	1	7.59%	120	60	603	5.77%	11.27%	(6,918)	47.0%	6,139
Line of Credit	2,743	1,372	2	0.39%	48	36	539	9.52%	27.52%	(2,248)	18.0%	495
Recreational Vehicle	9,808	9,808	1	8.24%	48	42	459	6.00%	18.00%	(5,498)	44.0%	4,311
Unsecured	14,152	1,572	9	5.55%	41	26	502	9.52%	27.52%	(8,392)	40.7%	5,760
Used Auto	88,397	4,911	18	5.98%	50	32	508	4.37%	17.97%	(68,992)	22.0%	19,405
TOTALS	\$ 128,158	\$ 4,134	31	6.15%	56	35	514			\$ (92,048)	28.2%	\$ 36,110

73

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Mortgage Loans

Financial Institutions Group

All Loans

Valuation Category (Credit Score Range)	Current Balance	Count	Weighted Averages				Prepay Remaining Term	Market Rate	Market Adjustment	Credit/Collateral Adjustment	Total Adjustment	Fair Price	Fair Value
			Contractual		Remaining	Score							
			Rate	Term									
10 Year Mortgage	633,064	14	4.12%	120	61	734	21	3.04%	8,651	(3,372)	5,279	100.8%	638,343
760 - 850	265,539	7	3.89%	120	90	802	27	3.04%	4,876	(590)	4,286	101.6%	269,829
700 - 759	219,473	3	3.67%	120	39	729	16	3.04%	1,768	(627)	1,160	100.5%	220,638
850 - 619	85,865	3	6.11%	120	34	535	25	3.04%	1,152	(1,136)	26	100.0%	85,891
No Score	62,193	1	3.88%	120	54	NA	20	3.04%	836	(1,040)	(204)	99.7%	61,959
15 Year Mortgage	1,246,305	27	4.92%	180	103	730	28	3.06%	52,401	(18,275)	34,126	102.7%	1,280,430
760 - 850	406,254	7	4.32%	180	131	798	34	3.06%	13,276	(1,054)	12,193	103.0%	418,446
700 - 759	106,157	4	5.77%	180	109	725	33	3.06%	7,325	(633)	6,692	106.3%	112,849
680 - 699	58,229	1	5.13%	180	147	692	31	3.06%	2,947	(589)	2,358	104.1%	60,588
640 - 659	206,787	4	8.20%	180	33	652	20	3.06%	7,162	(3,543)	3,619	101.8%	210,405
620 - 639	85,296	3	5.21%	180	105	630	31	3.06%	4,431	(3,310)	1,121	101.3%	86,418
No Score	383,582	6	5.07%	180	91	NA	24	3.06%	17,259	(9,117)	8,142	102.1%	391,724
20 Year Mortgage	918,215	15	5.81%	240	176	719	33	3.78%	43,672	(13,688)	29,974	103.3%	948,189
760 - 850	144,072	3	6.07%	240	170	777	31	3.78%	8,730	(402)	8,328	105.8%	152,400
700 - 759	292,436	4	5.70%	240	188	733	34	3.78%	14,308	(1,723)	12,585	104.3%	305,021
680 - 699	107,834	1	2.00%	240	177	687	43	3.78%	(6,124)	(1,287)	(7,411)	93.1%	100,423
660 - 679	63,977	2	6.05%	240	187	671	32	3.78%	3,945	(1,108)	2,837	104.4%	66,814
640 - 659	71,046	1	7.00%	240	170	640	31	3.78%	6,329	(2,160)	4,169	105.9%	75,215
No Score	238,851	4	6.32%	240	164	NA	31	3.78%	16,485	(7,018)	9,466	104.0%	248,317
30 Year Mortgage	1,254,450	16	6.00%	360	263	712	39	3.81%	79,794	(28,924)	50,870	104.1%	1,305,320
760 - 850	295,100	4	5.77%	360	261	783	39	3.81%	16,716	(899)	15,817	105.4%	310,917
700 - 759	115,338	2	6.08%	360	256	741	34	3.81%	7,582	(783)	6,799	105.9%	122,137
680 - 699	123,291	2	5.99%	360	254	693	39	3.81%	7,782	(1,451)	6,291	105.1%	129,582
640 - 659	181,624	2	6.17%	360	259	646	39	3.81%	12,465	(5,686)	6,769	103.7%	188,893
350 - 619	58,369	1	5.88%	360	256	537	39	3.81%	3,484	(4,934)	(1,450)	97.5%	56,919
No Score	480,729	5	6.07%	360	270	NA	39	3.81%	31,765	(15,121)	16,643	103.5%	497,372
TOTALS	\$ 4,052,034	72	5.28%	240	163	723	31	3.45%	\$ 184,517	\$ (61,769)	\$ 120,248	103.0%	\$ 4,172,282

74

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Transition, Implementation, and Disclosures



Transition and Implementation

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- The pending content that links to this paragraph shall be effective for fiscal years, and interim periods within those fiscal years, beginning on or after [date to be inserted after exposure]. No date yet!
- An entity shall apply the pending content that links to this paragraph by means of a cumulative-effect adjustment to the statement of financial position as of the beginning of the first reporting period in which the guidance is effective.
- Earlier application of the pending content that links to this paragraph is not permitted.



Impact Expected for ALLL:
Enhancements to Ongoing Disclosures

Financial Institutions Group

- Cumulative effect of accounting change
- Qualitative information about how expected credit loss estimates are developed
- Amortized cost of financial assets in which the institution has applied the practical expedient
- Roll-forward of the amortized cost basis of debt instruments measured at amortized cost and at **FV-OCI**
- Reconciliation between the fair value and amortized cost for debt instruments measured at **FV-OCI**

77

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Impact Expected for ALLL:
Enhancements to Ongoing Disclosures

Financial Institutions Group

- Average amortized cost of financial assets on nonaccrual status, the amount of interest income recognized on nonaccrual assets, and the amortized cost of non-accrual assets for which no expected credit losses are recognized.
- Reconciliation between the purchase price and the par value of PCI financial assets at the time of purchase.
- Discussion of the type of collateral and extent to which collateral secures an institution's financial assets.

78

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Selected Footnotes

Financial Institutions Group

Credit-Quality Indicators
As of December 31, 20X1, and 20X0

Corporate Credit Exposure

Credit Risk Profile by Creditworthiness Category

	Commercial		Commercial Real Estate Construction		Commercial Real Estate—Other	
	20X1	20X0	20X1	20X0	20X1	20X0
AAA – AA	\$XX,XXX	\$XX,XXX	\$XX,XXX	\$XX,XXX	\$XX,XXX	\$XX,XXX
A	XX,XXX	XX,XXX	XX,XXX	XX,XXX	XX,XXX	XX,XXX
BBB – BB	XX,XXX	XX,XXX	XX,XXX	XX,XXX	XX,XXX	XX,XXX
B	XX,XXX	XX,XXX	XX,XXX	XX,XXX	XX,XXX	XX,XXX
CCC – C	XX,XXX	XX,XXX	XX,XXX	XX,XXX	XX,XXX	XX,XXX
D	XX,XXX	XX,XXX	XX,XXX	XX,XXX	XX,XXX	XX,XXX
Total	\$XX,XXX	\$XX,XXX	\$XX,XXX	\$XX,XXX	\$XX,XXX	\$XX,XXX

Consumer Credit Exposure

Credit Risk Profile by FICO Score

	Residential—Prime		Residential—Subprime	
	20X1	20X0	20X1	20X0
<600	\$XX,XXX	\$XX,XXX	\$XX,XXX	\$XX,XXX
600–700	XX,XXX	XX,XXX	XX,XXX	XX,XXX
700–800	XX,XXX	XX,XXX	XX,XXX	XX,XXX
800+	XX,XXX	XX,XXX	XX,XXX	XX,XXX
Pass	XX,XXX	XX,XXX	XX,XXX	XX,XXX
Special mention	XX,XXX	XX,XXX	XX,XXX	XX,XXX
Substandard	XX,XXX	XX,XXX	XX,XXX	XX,XXX
Total	\$XX,XXX	\$XX,XXX	\$XX,XXX	\$XX,XXX

79



Selected Footnotes

Financial Institutions Group

Consumer Credit Exposure

Credit Risk Profile Based on Payment Activity and Internal Risk Grades 1–5

	Consumer—Credit Card		Consumer—Other		Finance Leases		Consumer—Auto	
	20X1	20X0	20X1	20X0	20X1	20X0	20X1	20X0
1–2 internal grade	\$XX,XXX	\$XX,XXX	\$XX,XXX	\$XX,XXX	\$XX,XXX	\$XX,XXX	\$XX,XXX	\$XX,XXX
3–4 internal grade	XX,XXX	XX,XXX	XX,XXX	XX,XXX	XX,XXX	XX,XXX	XX,XXX	XX,XXX
5 internal grade	XX,XXX	XX,XXX	XX,XXX	XX,XXX	XX,XXX	XX,XXX	XX,XXX	XX,XXX
Performing	XX,XXX	XX,XXX	XX,XXX	XX,XXX	XX,XXX	XX,XXX	XX,XXX	XX,XXX
Nonperforming	XX,XXX	XX,XXX	XX,XXX	XX,XXX	XX,XXX	XX,XXX	XX,XXX	XX,XXX
Total	\$XX,XXX	\$XX,XXX	\$XX,XXX	\$XX,XXX	\$XX,XXX	\$XX,XXX	\$XX,XXX	\$XX,XXX

Consumer Credit Exposure

Credit Risk Profile by Loan-to-Value Ratio

	Residential—Prime		Residential—Subprime	
	20X1	20X0	20X1	20X0
0–50%	\$XX,XXX	\$XX,XXX	\$XX,XXX	\$XX,XXX
50.01–80%	XX,XXX	XX,XXX	XX,XXX	XX,XXX
80.01–100%	XX,XXX	XX,XXX	XX,XXX	XX,XXX
100.01–120%	XX,XXX	XX,XXX	XX,XXX	XX,XXX
>120%	XX,XXX	XX,XXX	XX,XXX	XX,XXX
Total	\$XX,XXX	\$XX,XXX	\$XX,XXX	\$XX,XXX

80



Selected Footnotes		Financial Institutions Group					
Age Analysis of Past Due Financial Assets As of December 31, 20X1, and 20X0							
	30-59 Days Past Due	60-89 Days Past Due	Greater Than 90 Days	Total Past Due	Current	Total	Amortized Cost > 90 Days and Accruing
20X1							
Commercial	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000
Commercial real estate:							
Commercial real estate construction	XX,000	XX,000	XX,000	XX,000	XX,000	XX,000	XX,000
Commercial real estate—other	XX,000	XX,000	XX,000	XX,000	XX,000	XX,000	XX,000
Consumer:							
Consumer—credit card	XX,000	XX,000	XX,000	XX,000	XX,000	XX,000	XX,000
Consumer—other	XX,000	XX,000	XX,000	XX,000	XX,000	XX,000	XX,000
Consumer—auto	XX,000	XX,000	XX,000	XX,000	XX,000	XX,000	XX,000
Residential:							
Residential—prime	XX,000	XX,000	XX,000	XX,000	XX,000	XX,000	XX,000
Residential—subprime	XX,000	XX,000	XX,000	XX,000	XX,000	XX,000	XX,000
Finance leases	XX,000	XX,000	XX,000	XX,000	XX,000	XX,000	XX,000
Total	<u>\$0,000</u>	<u>\$0,000</u>	<u>\$0,000</u>	<u>\$0,000</u>	<u>\$0,000</u>	<u>\$0,000</u>	<u>\$0,000</u>

81



Capital Impact

Prompt Corrective Action

Financial Institutions Group

- **§ 702.1 Authority, purpose, scope and other supervisory authority.**
- (a) *Authority.* issued by the National Credit Union Administration pursuant to section 216 of the Federal Credit Union Act (FCUA), 12 U.S.C. 1790d (section 1790d), as added by section 301 of the Credit Union Membership Access Act, Pub. L. No. 105-219, 112 Stat. 913 (1998). Subpart D of this part is issued pursuant to FCUA section 120, 12 U.S.C. 1766.
- (b) *Purpose.* The express purpose of prompt corrective action under section 1790d is to resolve the problems of federally-insured credit unions at the least possible long-term loss to the National Credit Union Share Insurance Fund. This part carries out the purpose of prompt corrective action by establishing a framework of mandatory and discretionary supervisory actions, applicable according to a credit union's net worth ratio, designed primarily to restore and improve the net worth of federally-insured credit unions.

83

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Net Worth - PCA

Financial Institutions Group


- *Net Worth* means the retained earnings balance of the credit union at quarter-end as determined under generally accepted accounting principles, subject to paragraph of this section.
- Retained earnings consists of undivided earnings, regular reserves, and any other appropriations designated by management or regulatory authorities;
- One-time implementation of CECL will impact net worth and net worth ratio
- Regulatory impact of reduced net worth, ALLL not considered as part of capital under PCA

84


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Net Worth Ratios				Financial Institutions Group		
# of Credit Unions	December 2010	% of Total	December 2011	% of Total	December 2012	% of Total
7% or above	7,057	95.5%	6,630	96.2%	6,653	96.5%
6% to 6.99%	198	2.7%	181	2.6%	170	2.5%
4% to 5.99%	105	1.4%	62	0.9%	56	0.8%
2% to 3.99%	25	0.3%	17	0.2%	12	0.2%
0% to 1.99%	1	0.0%	1	0.0%	3	0.0%
Less than 0%	1	0.0%	0	0.0%	0	0.0%

85



FASB Comment Letters

FASB Comment Letters	Financial Institutions Group
<ul style="list-style-type: none">• Comment Letters to FASB ED• 24 questions<ul style="list-style-type: none">– #1 for all respondents– #2 - #8 for users of the financial statements– #9 - #15 for preparers of the financial statements and auditors– #16 for all respondents– #17 for users of the financial statements– #18 for preparers of the financial statements and auditors– #19 - #22 for all respondents– #23 - #24 for preparers of the financials statements and auditors	
87	

Comment Letter Questions	Financial Institutions Group
<ul style="list-style-type: none">• <i>Question 1: Do you agree with the scope of financial assets that are included in this proposed Update?</i>• <i>Question 2: Do you believe that removing the initial recognition threshold that currently exists in U.S. GAAP so that credit losses are recognized earlier provides more decision-useful information?</i>• <i>Question 3: Do you agree that the net amortized cost (which reflects the present value of cash flows expected to be collected) results in more decision-useful information than currently exists under U.S. GAAP?</i>• <i>Question 4: The proposed amendments would require that at each reporting date an entity recognize an allowance for all expected credit losses. Do you believe that recognizing all expected credit losses provides more decision-useful information than recognizing only some of the expected credit losses?</i>	
88	

Comment Letter Questions

Financial Institutions Group

- *Question 5: The proposed amendments would require that an estimate of expected credit losses be based on relevant information about past events, including historical loss experience with similar assets, current conditions, and reasonable and supportable forecasts that affect the expected collectability of the financial assets' remaining contractual cash flows. Do you believe that expected credit losses based on this information provide decision-useful information?*

89

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Comment Letter Questions

Financial Institutions Group

- *Question 6: For purchased credit-impaired financial assets, the proposed amendments would require that the discount embedded in the purchase price that is attributable to expected credit losses at the date of acquisition not be amortized into and recognized as interest income over the life of the asset. To achieve this result, upon acquisition the initial estimate of expected credit losses would be recognized as an adjustment that increases the cost basis of the asset. Apart from this requirement, purchased credit-impaired assets would follow the same approach as non-purchased-credit-impaired assets. That is, the allowance for credit losses would always be based on management's current estimate of the contractual cash flows that the entity does not expect to collect. Changes in the allowance for expected credit losses would be recognized immediately for both purchased credit-impaired assets and non-purchased-credit-impaired assets as bad-debt expense rather than yield. Do you believe that using the same approach to recognize changes in the credit impairment allowance for purchased credit-impaired assets and non-purchased-credit-impaired assets provides decision-useful information?*

90

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Comment Letter Questions

Financial Institutions Group

- *Question 7: As a practical expedient, the proposed amendments would allow an entity not to recognize expected credit losses for financial assets measured at fair value with qualifying changes in fair value recognized in other comprehensive income when both (a) the fair value of the individual financial asset is greater than (or equal to) the amortized cost amount of the financial asset and (b) the expected credit losses on the individual financial asset are insignificant. The proposed amendments would require an entity to disclose the amortized cost basis of assets that apply this practical expedient each period. Do you believe that the practical expedient for some financial assets measured at fair value with qualifying changes in fair value recognized in other comprehensive income is reasonable? Why or why not?*

91



Comment Letter Questions

Financial Institutions Group

- *Question 8: The proposed amendments would require that an entity place a financial asset on nonaccrual status when it is not probable that the entity will receive substantially all of the principal or substantially all of the interest. In such circumstances, the entity would be required to apply either the cost-recovery method or the cash-basis method, as described in paragraph 825-15-25-10. Do you believe that this approach provides decision-useful information?*
- *Question 9: The proposed amendments would require that an estimate of expected credit losses be based on relevant information about past events, including historical loss experience with similar assets, current conditions, and reasonable and supportable forecasts that affect the expected collectability of the financial assets' remaining contractual cash flows. Do you foresee any significant operability or auditing concerns or constraints in basing the estimate of expected credit losses on such information?*

92



Comment Letter Questions

Financial Institutions Group

- *Question 10: The Board expects that many entities initially will base their estimates on historical loss data for particular types of assets and then will update that historical data to reflect current conditions and reasonable and supportable forecasts of the future. Do entities currently have access to historical loss data and to data to update that historical information to reflect current conditions and reasonable and supportable forecasts of the future? If so, how would this data be utilized in implementing the proposed amendments? If not, is another form of data currently available that may allow the entity to achieve the objective of the proposed amendments until it has access to historical loss data or to specific data that reflects current conditions and reasonable and supportable forecasts?*

93

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Comment Letter Questions

Financial Institutions Group

- *Question 11: The proposed amendments would require that an estimate of expected credit losses always reflect both the possibility that a credit loss results and the possibility that no credit loss results. This proposal would prohibit an entity from estimating expected credit losses based solely on the most likely outcome (that is, the statistical mode). As described in the Implementation Guidance and Illustrations Section of Subtopic 825-15, the Board believes that many commonly used methods already implicitly satisfy this requirement. Do you foresee any significant operability or auditing concerns or constraints in having the estimate of expected credit losses always reflect both the possibility that a credit loss results and the possibility that no credit loss results?*

94

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Comment Letter Questions

Financial Institutions Group

- *Question 12: The proposed amendments would require that an estimate of expected credit losses reflect the time value of money either explicitly or implicitly. Methods implicitly reflect the time value of money by developing loss statistics on the basis of the ratio of the amortized cost amount written off because of credit loss and the amortized cost basis of the asset and by applying the loss statistic to the amortized cost balance as of the reporting date to estimate the portion of the recorded amortized cost basis that is not expected to be recovered because of credit loss. Such methods may include loss-rate methods, roll-rate methods, probability-of-default methods, and a provision matrix method using loss factors. Do you foresee any significant operability or auditing concerns or constraints with the proposal that an estimate of expected credit losses reflect the time value of money either explicitly or implicitly? If time value of money should not be contemplated, how would such an approach reconcile with the objective of the amortized cost framework?*

95



Comment Letter Questions

Financial Institutions Group

- *Question 13: For purchased credit-impaired financial assets, the proposed amendments would require that the discount embedded in the purchase price that is attributable to expected credit losses at the date of acquisition not be recognized as interest income. Apart from this proposal, purchased credit-impaired assets would follow the same approach as non-purchased-credit-impaired assets. That is, the allowance for expected credit losses would always be based on management's current estimate of the contractual cash flows that the entity does not expect to collect. Changes in the allowance for expected credit losses (favorable or unfavorable) would be recognized immediately for both purchased credit-impaired assets and non-purchased-credit-impaired assets as bad-debt expense rather than yield. Do you foresee any significant operability or auditing concerns or constraints in determining the discount embedded in the purchase price that is attributable to credit at the date of acquisition?*

96



Comment Letter Questions

Financial Institutions Group

- *Question 14: As a practical expedient, the proposed amendments would allow an entity to not recognize expected credit losses for financial assets measured at fair value with qualifying changes in fair value recognized in other comprehensive income when both (a) the fair value of the individual financial asset is greater than (or equal to) the amortized cost basis of the financial asset and (b) the expected credit losses on the individual financial asset are insignificant. Do you foresee any significant operability or auditing concerns or constraints in determining whether an entity has met the criteria to apply the practical expedient or in applying it?*

97

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Comment Letter Questions

Financial Institutions Group

- *Question 15: The proposed amendments would require that an entity place a financial asset on nonaccrual status when it is not probable that the entity will receive substantially all of the principal or substantially all of the interest. In such circumstances, the entity would be required to apply either the cost-recovery method or the cash-basis method, as described in paragraph 825-15-25-10. Do you believe that this proposal will change current practice? Do you foresee any significant operability or auditing concerns with this proposed amendment?*

98

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Comment Letter Questions

Financial Institutions Group

- *Question 16: Under existing U.S. GAAP, the accounting by a creditor for a modification to an existing debt instrument depends on whether the modification qualifies as a troubled debt restructuring. As described in paragraphs BC45–BC47 of the basis for conclusions, the Board continues to believe that the economic concession granted by a creditor in a troubled debt restructuring reflects the creditor’s effort to maximize its recovery of the original contractual cash flows in a debt instrument. As a result, unlike certain other modifications that do not qualify as troubled debt restructurings, the Board views the modified debt instrument that follows a troubled debt restructuring as a continuation of the original debt instrument. Do you believe that the distinction between troubled debt restructurings and nontroubled debt restructurings continues to be relevant? Why or why not?*

99

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Comment Letter Questions

Financial Institutions Group

- *Question 17: Do you believe the disclosure proposals in this proposed Update would provide decision-useful information? If not, what disclosures do you believe should (or should not) be required and why?*
- *Question 18: Do you foresee any significant operability or auditing concerns or constraints in complying with the disclosure proposals in the proposed Update?*
- *Question 19: Do you believe that the implementation guidance and illustrative examples included in this proposed Update are sufficient? If not, what additional guidance or examples are needed?*
- *Question 20: Do you agree with the transition provision in this proposed Update? If not, why?*

100

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Comment Letter Questions

Financial Institutions Group

- *Question 21: Do you agree that early adoption should not be permitted? If not, why?*
- *Question 22: Do you believe that the effective date should be the same for a public entity as it is for a nonpublic entity? If not, why?*
- *Question 23: Do you believe that the transition provision in this proposed Update is operable? If not, why?*
- *Question 24: How much time would be needed to implement the proposed guidance? What type of system and process?*

101

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What Do You Think?

Financial Institutions Group

- Top 10 Reasons the Credit Union industry hates this proposal

102

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Will the CECL Model Improve Impairment Accounting and Financial Reporting?

Financial Institutions Group

- Life of Loan (LOL) component provides information that may not necessarily be more useful to creditors, regulators, and members.
 - LOL expected losses; how will this method retain effective sensitivity to current economic activity when compared to the incurred loss model estimates?
 - Accounting change can wreak havoc on analysts for creditors and peers that rely on historical data for analysis.
 - CECL model that applies LOL losses to healthy loans would be expected to result in an abrupt change, making annual comparisons very difficult.

103

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Next Steps for CECL

Financial Institutions Group

- FASB and IASB reviewing comment letters
- They will meet to discuss feedback and impact on original EDs
- Modified ED or final rule 2014?
- Implementation date 2015 or later?
- Deferred date for non-public entities?
- Wait and see!



104

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Global Credit Risk Management Program: A Method for Monitoring





GCRMP

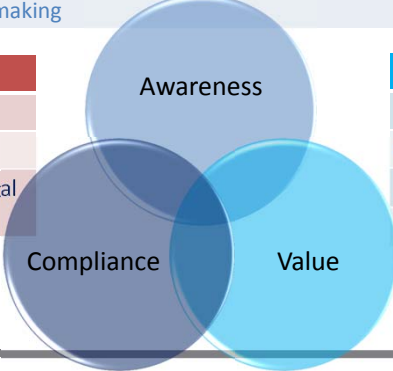

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- GCRMP is a management process focused on the risk and return inter-relationship of members, products and services, pricing, and costs linked to dynamic social and economic environmental volatility.

106



Objectives	Financial Institutions Group
<ul style="list-style-type: none"> • Provide a transparent, concise and timely method for monitoring (within quantitative boundaries) the interrelated external and internal risks to protect earnings and maximize capital (member value) • Provide an effective executive management and board monitoring tool to pinpoint areas of credit and collateral risk – for actionable positive and negative trends • Establish processes and monitoring methods to manage regulatory risk related to credit and collateral policies imbedded in loan products and underwriting procedures 	
107	

Benefits	Financial Institutions Group
	
<ul style="list-style-type: none"> Broadens Risk Awareness Highlights Early Warning Indicators of Risk Provides Transparency Enables proactive vs. reactive decision making 	<ul style="list-style-type: none"> Protects Member Value Credit Union Stability Loss Mitigation Benchmarking/Best Practices
<ul style="list-style-type: none"> Governance Policy Regulatory Compliance Risk Tolerance with Capital & Strategy 	
108	



External Quantitative Metrics

Macro Economic Drivers
Regional Demographics
Market Supply & Demand Indicators

External Quantitative Metrics

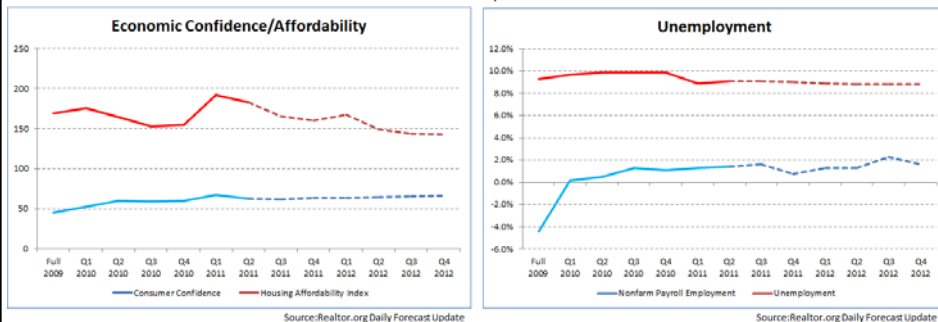
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Macro Economic Conditions

CPI - Consumer Price Index
GDP - Gross Domestic Product
Housing Affordability
Interest Rates



Example



External Quantitative Metrics

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Regional Demographics


Unemployment

Employment

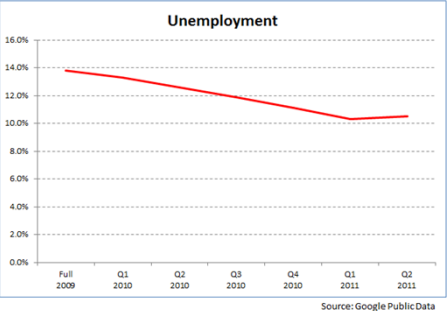
Labor Force

Population

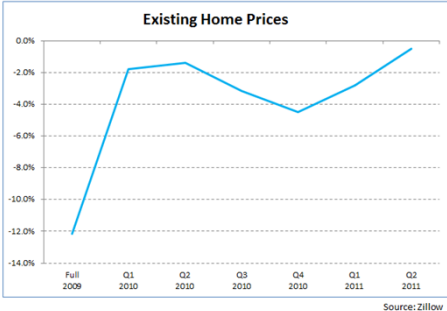
Real Disposable Income




Example



Source: Google Public Data



Source: Zillow

111


External Quantitative Metrics

Financial Institutions Group

Supply & Demand

Existing/New Home Sales & Prices

Inventory levels – Real Estate


Supply – Real Estate

Pending Home Sales Index

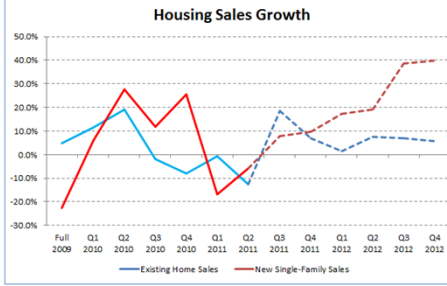
Housing Starts

Auto Sales Trends

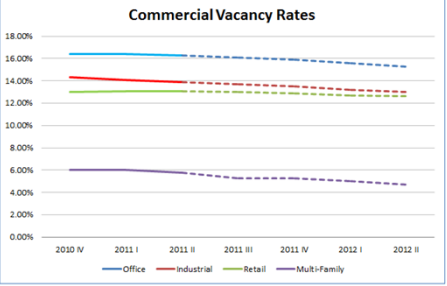
Commercial Trends




Example



Source: Realtor.com Daily Forecast Update



112


Internal Metrics

Peer Comparability
Financial Metrics
Concentration Ratios
Business/Operational

Internal Metrics

Financial Institutions Group

Peer Comparability

Delinquency

Loan Growth

Loan Mix

Savings Growth

Product Line

Example: Select Data

	Historical Actuals				Peer Data				Target		Current Results
	2009	2010	06/30/11	Trend	2009	2010	06/30/11	Trend	Target Range		
	Low		High								
POLICY DRIVEN											
<i>Earnings</i>											
Return on Assets	0.99%	0.40%	0.72%	↘	0.29%	0.57%	0.79%	↘	0.20%	99.00%	●
Yield on Average Loans	7.69%	7.71%	8.14%	↘	6.14%	5.93%	5.70%	↘	7.50%	99.00%	●
Yield on Average Investments	3.31%	2.53%	2.56%	↘	2.41%	1.80%	1.58%	↘	1.50%	99.00%	●
Fees & Other Operating Income / Total Assets	2.62%	2.83%	2.74%	↘	1.40%	1.37%	1.28%	↘	2.00%	99.00%	●
Operating Expense / Total Assets	5.63%	5.16%	4.97%	↘	3.43%	3.23%	3.14%	↘	0.00%	5.00%	●
Provision for Loan Loss / Total Assets	2.09%	1.52%	1.96%	↘	1.16%	0.78%	0.52%	↘	0.00%	3.00%	●
Net Interest Margin	4.14%	4.40%	4.77%	↘	3.15%	3.21%	3.15%	↘	3.50%	99.00%	●

114

Internal Metrics
Financial Institutions Group

Financial

Credit

Collateral

LTV

Interest Rate

Risk Based Net Worth

Example: Select Data

All Mortgages														
Credit Information			Loan Characteristics				Delinquency				Collateral			
Credit Grade	Credit Score Range		Number of Loans	Current Balance	% of Balance	Weighted Averages			<30	≥30 and <60	≥60 and <90	≥90	Collateral Value*	LTV
	Low	High				Remaining Yrs	Credit Score	Rate						
A+	720	850	298	\$ 31,431,293	38%	15.7	774	5.49%	\$ 31,431,293	\$ -	\$ -	\$ -	\$ 40,349,802	78%
A	690	719	59	6,519,582	8%	14.9	706	5.84%	6,519,582	-	-	-	7,161,900	91%
B	660	689	61	6,451,604	8%	16.9	674	5.88%	6,399,394	-	-	52,210	6,779,991	95%
C	620	659	64	6,754,491	8%	19.2	642	6.18%	6,579,188	175,303	-	-	6,677,600	101%
D	600	619	23	1,825,064	2%	14.1	611	5.98%	1,825,064	-	-	-	2,008,700	91%
E	1	599	73	7,693,324	9%	16.7	545	5.71%	6,557,972	907,641	13,571	214,140	7,058,300	109%
TDRs			164	22,695,475	27%	19.4	591	2.57%	17,223,590	3,987,644	445,598	1,304,792	18,082,300	126%
Delinquency Ratio			742	\$ 83,370,853	100%	17.1	676	4.84%	\$ 76,536,105	\$ 5,070,787	\$ 459,169	\$ 1,304,792	88,118,593	95%
									91.8%	6.1%	0.6%	1.6%		

115

Internal Metrics
Financial Institutions Group

Concentration

Relationships

Type

Geographic Area

Credit Grade

Seasoning of Portfolio

Example: Select Data

116

Internal Metrics

Financial Institutions Group

Business/Operational

Regulatory Requirements

Governance Policy

Compliance

Example: Select Data

Tier 1	\$ 80,215,798
Tier 2	11,222,076
Total Assets	591,066,679
Risk-Weighted Assets	508,110,551
Total Loans	326,941,043
NCUSIF Deposit	4,276,207
Based on Shocked Balance Sheet:	
Regulatory Net Worth	13.68%
Net Worth / Total Assets	14.24%
Based on PCA Net Worth Calculation:	
Net Worth Ratio	13.57%
RBNW Minimum Requirement	6.67%
Conclusion:	Pass
Based on PCA Capitalization Requirements*:	
	Level
Total Risk-Based Capital Ratio	18.00% 1
Tier 1: RWA	13.57% 1
Leverage Ratio	12.94% 1
Conclusion:	Well Capitalized
Risk-Based Net Worth Ratio:	14.95%

117

Approach to Design

Create Tool for Monitoring

Financial Institutions Group

Identification of actual, potential, and magnitude of risks by stratifying external and internal metrics to align with policy, regulations and assessment to peers

-Loan Volume-

-Credit & Collateral-

-Establishment of Boundaries-

Policies & Capital

Regulations

Peers

VS.

119

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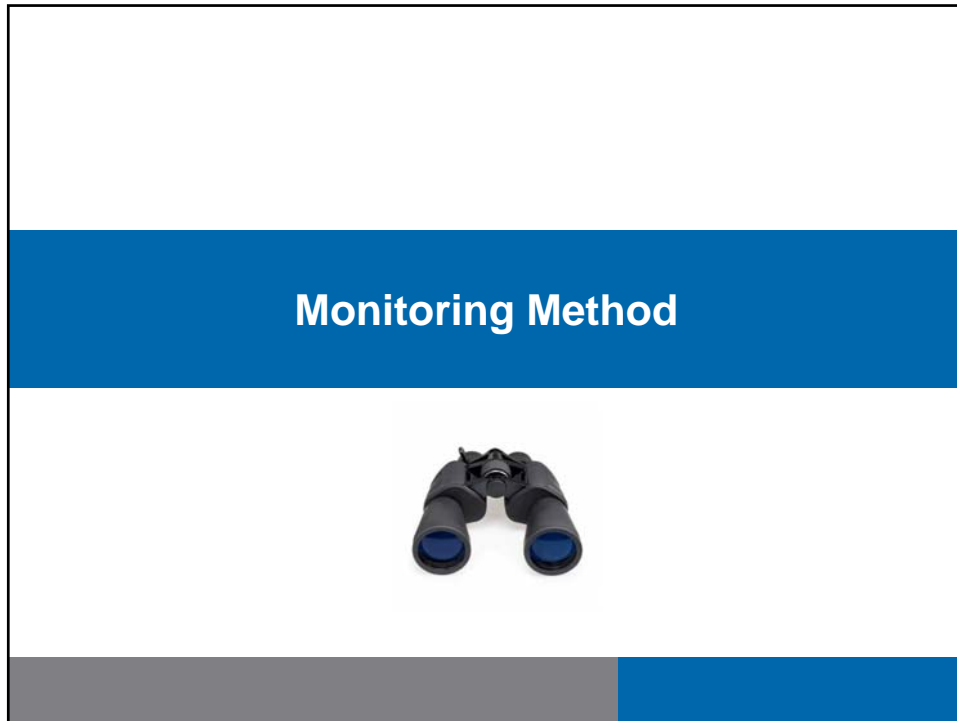
Boundaries: Concepts for Decision Making

Financial Institutions Group

- Determination of Critical Risk Monitoring Elements
 - Establishment of triggers
 - Capital
 - Profitability
 - Concentration
 - Grading vs. pricing
 - Loan type
 - Non-performing loans

120

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Credit Risk Management	Financial Institutions Group
<ul style="list-style-type: none">• The approach concentrates on internal and external factors and then shocking the system in order to observe the resulting sensitivity and related consequences to the financials of the credit union.• Both internal (e.g. financial results) and external (e.g. economic trends, market) factors that influence the Credit Union were reviewed, analyzed, and interpreted. Internal factors include such items as the Credit Union's financial position, credit score distribution, pricing, current (updated) LTVs, delinquencies, and charge-offs, plus recidivism rates.	
122	

Method

Financial Institutions Group

Portfolios have been analyzed in extensive detail by evaluating data to assess key areas of concentration requiring semi-annual monitoring.

Specifically, areas of concentration include:

- Consumer lending rec vehicles, new and used autos with scores C-E
- Residential real estate; first and home equities
- TDRs and modifications
- Member business loans
- Unsecured loans
- Participation MBL's

123

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Capital & Risk Based Net Worth

Financial Institutions Group

Basel II, along with NCUA Regulatory Net Worth PCA calculations, have been implemented to analyze impact of credit and collateral risk concentration implications linked to directionality of the credit union based on requirements used in both the credit union and the banking sectors.

124

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Econometrics

Financial Institutions Group

- The econometrics model takes into account characteristics in assessing areas of risk such as:
 - Loan product type and structure
 - Autos, real estate, home equity, MBL, participation
 - Higher-risk loans: C, D, E, modifications, TDRs
 - Loan pricing and profitability
 - Credit directional quality indications; updated credit scores vs. scores at origination
 - Prepayment speeds based on credit score and rate
 - Updated underlying collateral values (LTVs) and trends
 - Delinquency and loss probability are projected and stressed based on credit scores, delinquency, unemployment, and LTVs.

125

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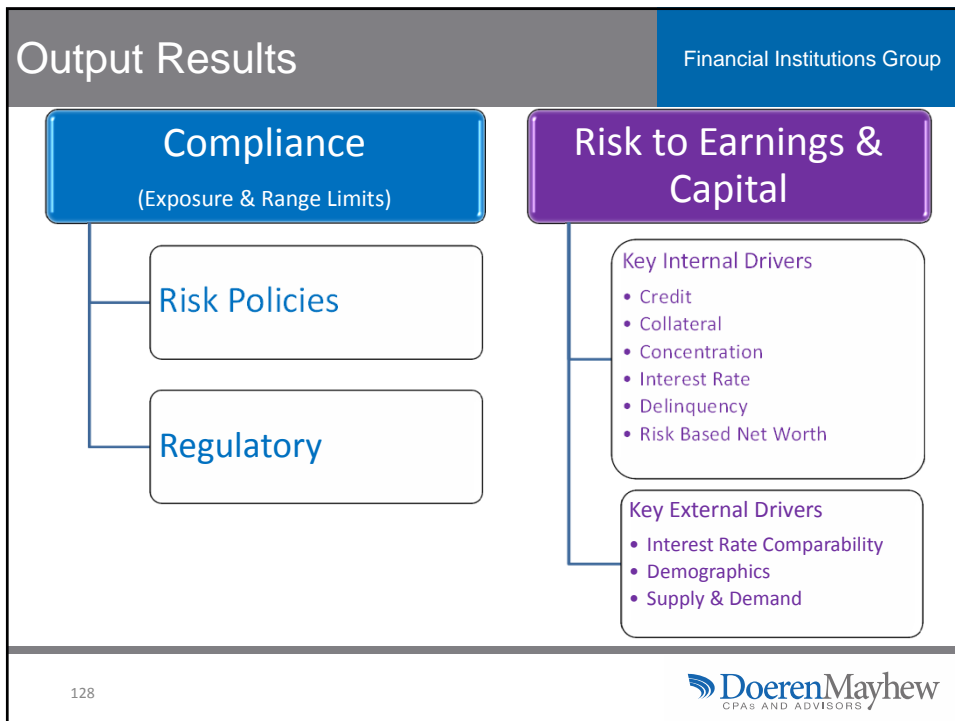
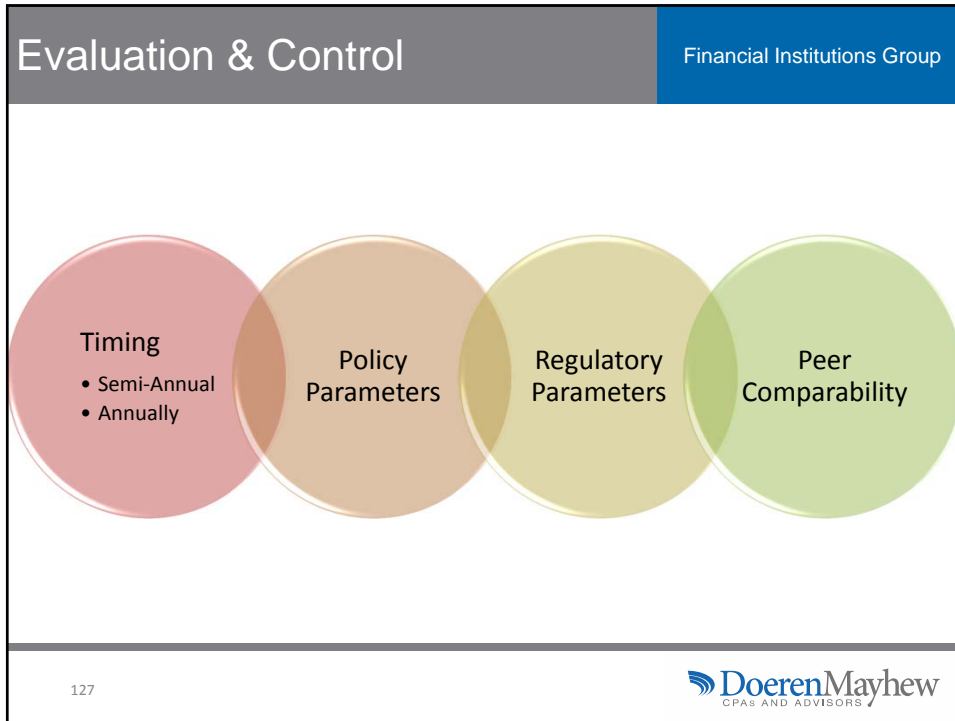
Econometrics

Financial Institutions Group

- The model provides a baseline for use semi-annual to compare capital and net income results based on a set of eroding credit and economic variables.
- Shocking the portfolio includes the following:
 - Incremental unemployment changes
 - Changes in credit scores (e.g., drop of 100 average score)
 - Collateral changes:
 - Additional residential real estate devaluation of 10%
- Shocking the model based on these economic changes results in the credit union continuing to be within a “well capitalized” category.


126

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Executive Summary

Internal / External Summary
Requirements/Policy Measurement



Summary Risk Profile Example				Financial Institutions Group							
EXTERNAL				INTERNAL							
	6/30/2010	6/30/2011	Variance		6/30/2010	Current	Variance	Peers	Variance		
Macro	CPI	-0.60%	4.10%	▲4.70%	Banking	Delinquency (Call Report)	3.70%	2.78%	●-0.92%	1.52%	▲1.26%
	Real GDP	2.80%	1.50%	●-1.3%		Delinquency (Legal)	1.54%	1.75%	●0.21%	N/A	N/A
	Housing Affordability	164	182	▲18		Charge-offs	2.18%	2.94%	●0.76%	0.99%	●1.95%
	Consumer Confidence	60	62	▲2		Provision for Loan Loss	1.35%	1.96%	●0.61%	0.55%	●1.41%
	Retail sales, Total (12/31/2010)	394,780	354,895	●-39,885		Loan Growth	-2.66%	-2.79%	●-0.13%	-1.99%	●-1.99%
	Prime Rate	3.10%	2.70%	●-0.40%		Savings (Market) Growth	14.87%	12.28%	●-2.59%	12.76%	▲12.76%
	Avg 30 yr Fixed Mortgage	5.00%	4.70%	●-0.30%		12/31/2010					
Labor	Unemployment	9.90%	9.10%	▲-0.8%	Credit (Weighted)	Wtd Rescored Member Loans	658	652	●-6		
	Real Disposable Income	0.2%	0.5%	▲0.3%		A+	32.37%	29.4%	●-2.9%		
Supply & Demand	Existing Home Sales	5,688	4,860	●-828		A	11.80%	8.7%	●-3.1%		
	Existing Home Prices	19.0%	7.0%	●-12.0%		B	11.77%	10.1%	●-1.7%		
	Housing Vacancy (12/31/2010)	18,394,000	18,700,000	▲306,000		C	13.46%	12.5%	●-1.0%		
	Pending Home Sales Index	91.5	90.9	●-0.6	D	5.33%	6.3%	▲0.9%			
	Housing Starts	715	575	●-140	E	25.28%	33.1%	▲7.8%			
	Auto Sales Trends (YTD)	5,600,957	6,310,655	▲709,698	Fixed Mortgages	16.4%	17.1%	▲0.6%			
	Commercial Vac: Office (12/31/2010)	16.40%	16.30%	●-0.1%	Balloon Mortgages	8.4%	8.2%	●-0.2%			
Commercial Vac: Industrial (12/31/2010)	14.30%	13.90%	●-0.4%	Adjustable Rate Mortgages	0.3%	0.3%	●0.0%				
Commercial Vac: Retail (12/31/2010)	13.00%	13.10%	▲0.1%	Home Equity	21.2%	20.0%	●-1.2%				
Commercial Vac: Multi-Family (12/31/2010)	6.00%	5.80%	●-0.2%	New Vehicle	7.8%	7.0%	●-0.8%				
				Used Vehicle	22.8%	24.0%	▲1.2%				
				Other Secured	3.5%	3.5%	●0.0%				
				Line of Credit	3.2%	3.1%	●-0.1%				
				Unsecured	5.5%	5.3%	●-0.2%				
				Business Loans	5.8%	5.5%	●-0.3%				
				Other Loans	0.2%	1.2%	▲1.0%				
				Credit Cards	4.9%	4.8%	●-0.1%				

Summary Risk Profile: Interpretation

Financial Institutions Group

- Interpretation of the data
 - The arrows will determine whether the trend is positive or negative:
 - Green = Positive
 - Red = Negative
 - Grey = Uncertain
- What are acceptable ranges?
 - Internal policy
 - Compare to peer range

131

Policy Measurement Snapshot Example

Financial Institutions Group

	Historical Actuals			Peer Data			Target			Current Results
	2009	2010	06/30/11	2009	2010	06/30/11	Low	Mid	High	
POLICY DRIVEN										
RATIO PERFORMANCE										
<i>Asset Quality</i>										
Delinquent Loans / Total Loans	1.41%	1.53%	1.75%	1.70%	1.65%	1.49%	0.00%	1.57%	1.82%	●
Net Charge-Offs / Average Loans	2.15%	2.27%	2.58%	1.16%	1.10%	0.94%	0.00%	2.24%	2.49%	●
<i>Earnings</i>										
Return on Assets	0.99%	0.40%	0.72%	0.29%	0.57%	0.79%	0.21%	0.28%	99.00%	●
<i>Special Lending Ratios</i>										
Losses as a % of TDRs and Modifications			6.50%				0.00%	20.00%	25.00%	●
Regulatory Driven										
Capital										
Net Worth / Total Assets	14.32%	13.77%	13.57%	9.69%	9.92%	9.99%	9.00%	10.00%	99.00%	●
Regulatory Net Worth			13.57%				9.00%	10.00%	99.00%	●
Risk Based Net Worth (RBNW)			14.95%				8.00%	9.00%	99.00%	●
RBNW Minimum Requirement Method			14.95%				6.68%	9.00%	0.00%	●
Shocked Net Worth			12.08%				8.00%	9.00%	99.00%	●
PCA Capital Requirements Method										
Total Risk-Based Capital Ratio			18.00%				10.00%		99.00%	●
Tier 1: RWA			13.57%				6.00%		99.00%	●
Leverage Ratio			12.94%				5.00%		99.00%	●
PCA Capital Requirements Conclusion (RBNW)			14.95%				Conclusion based on above 3 calc's			●
Lending										
MBLs / Total Assets	2.64%	3.27%	3.69%				0.00%		12.25%	●
MBLs / Net Worth	.18x	.24x	.27x				.x		1.75x	●

132

Policy Measurement Snapshot (Interpretation)

Financial Institutions Group

- Summary of performance relative to regulatory requirements, governance policy, and peers.
- A quick reference result to whether the category met the indicated target range.
- Provides the ability to use specific numbers based on either historical or current policy, or as a comparison to peers (“face value” vs. “peers”).

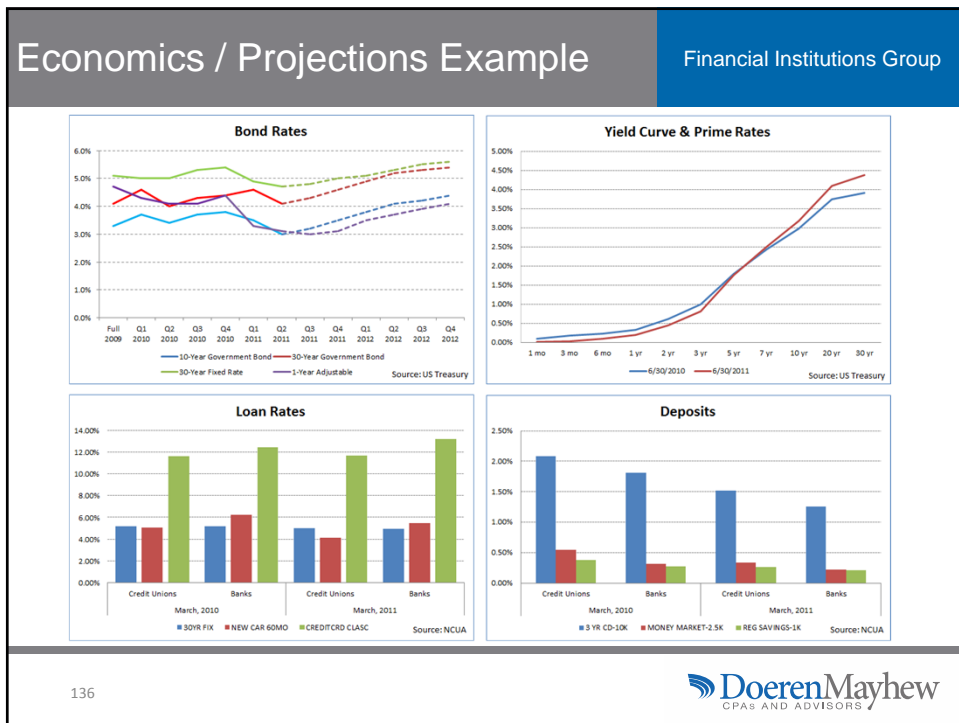
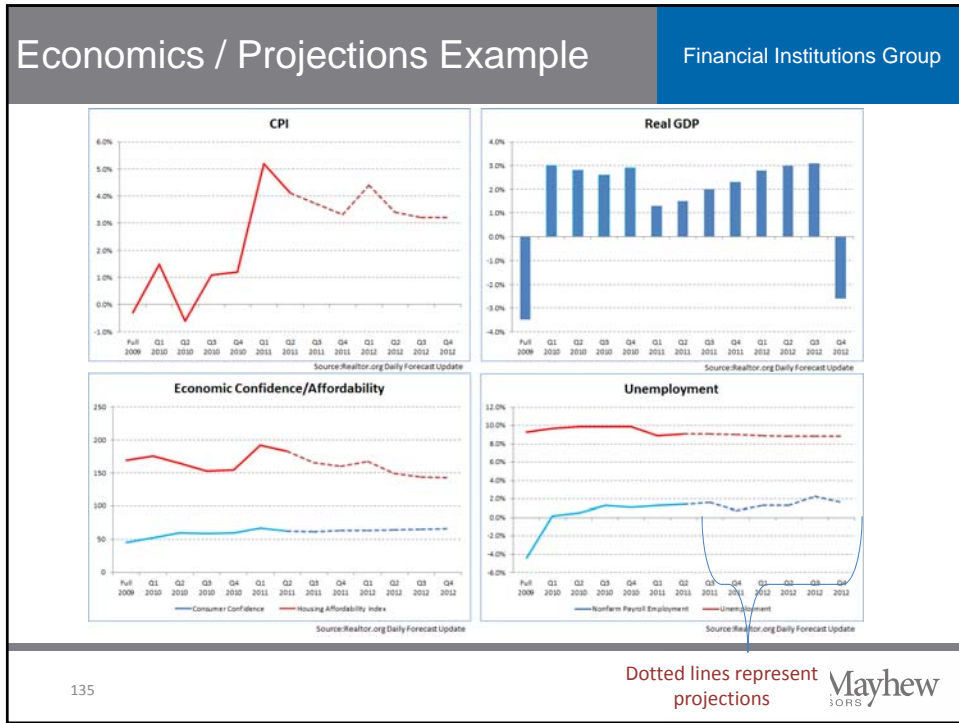
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External

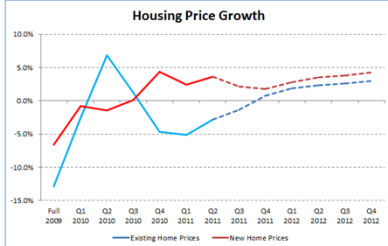
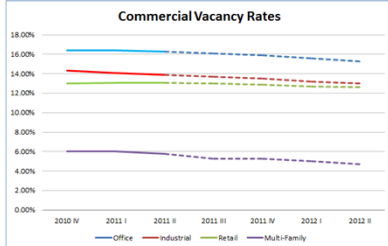
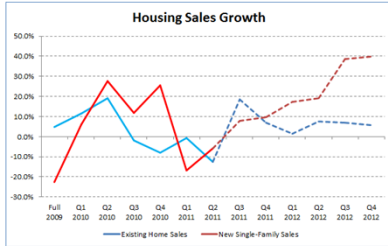
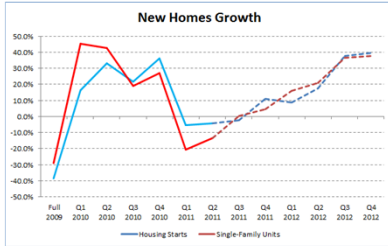


Macro-Economics
Labor
Supply & Demand



Economics / Projections Example

Financial Institutions Group

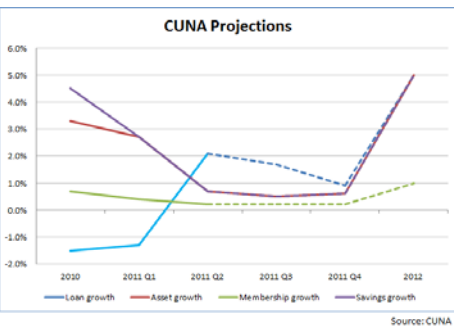
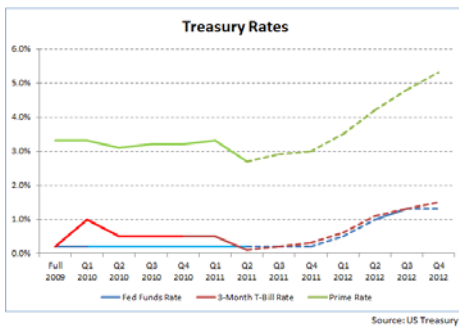


137



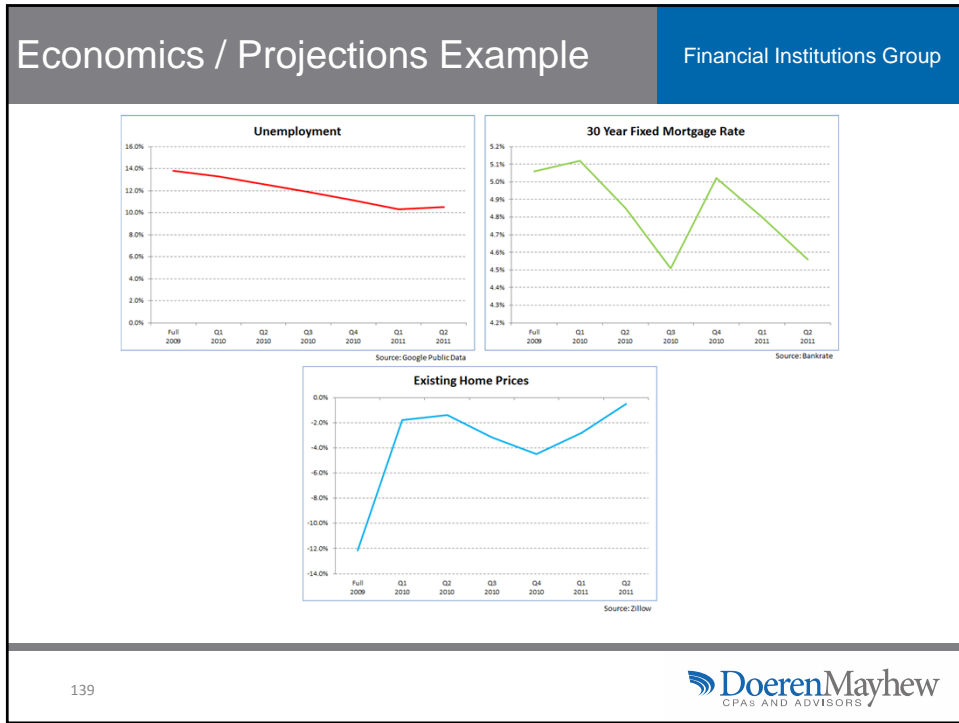
Economics / Projections Example

Financial Institutions Group



138

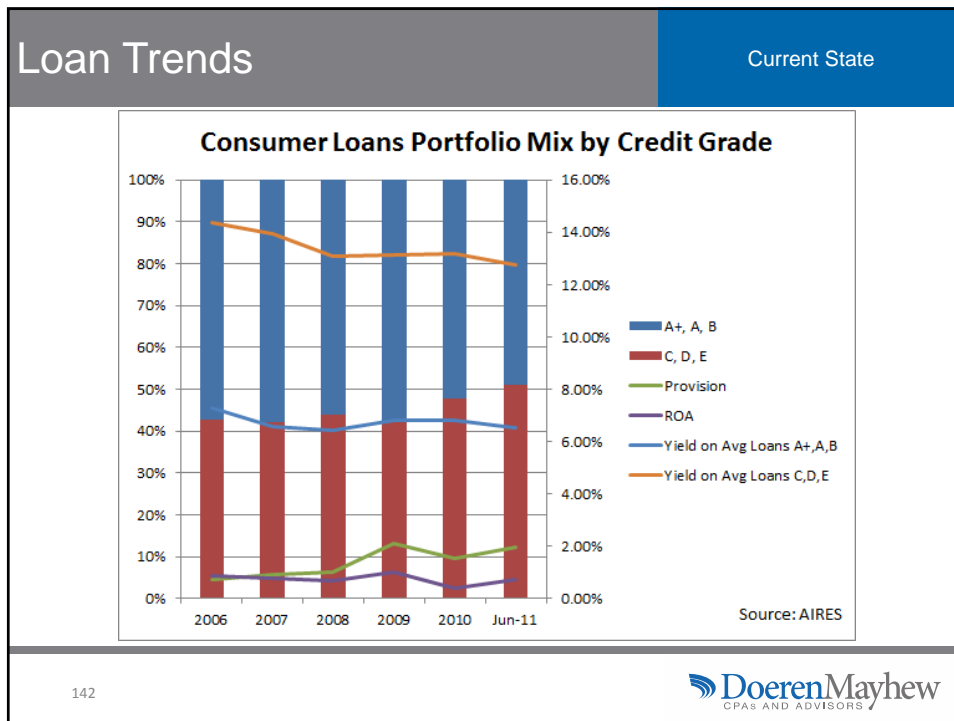
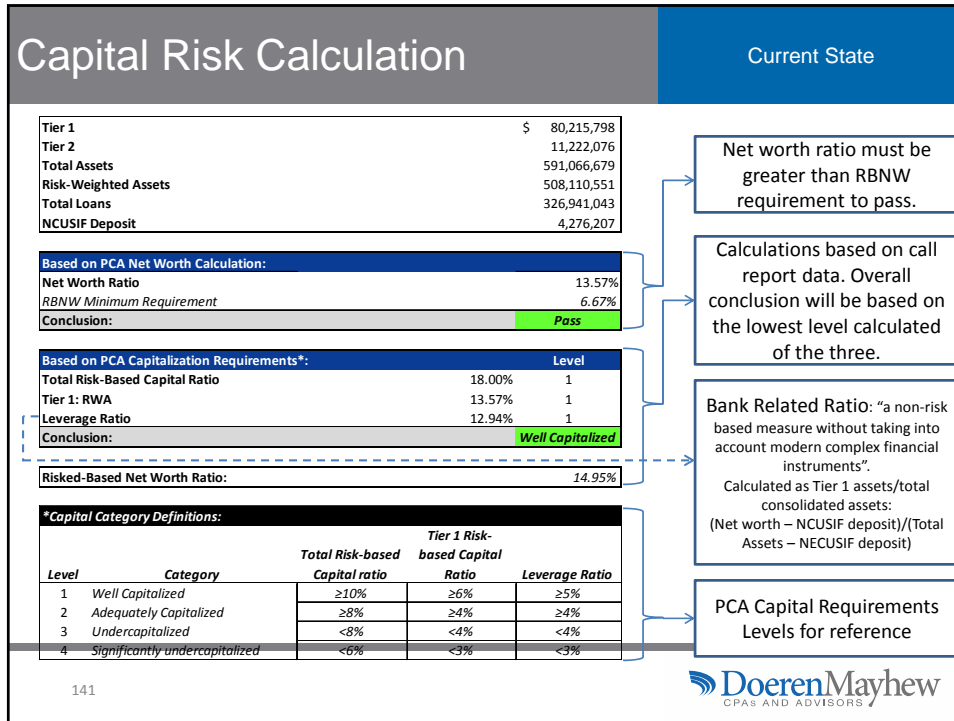


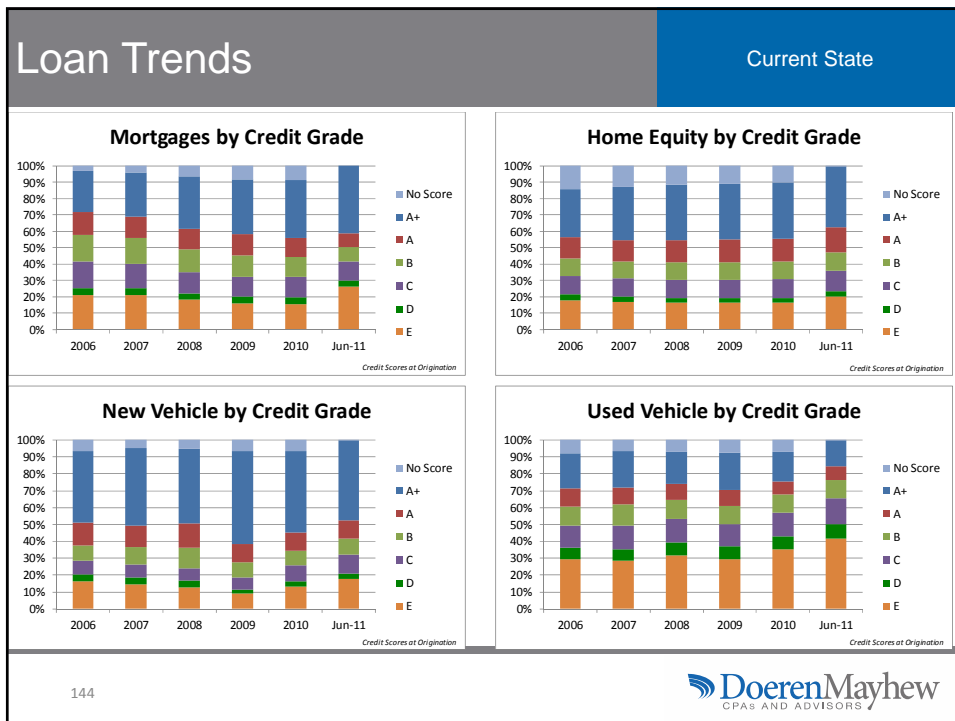
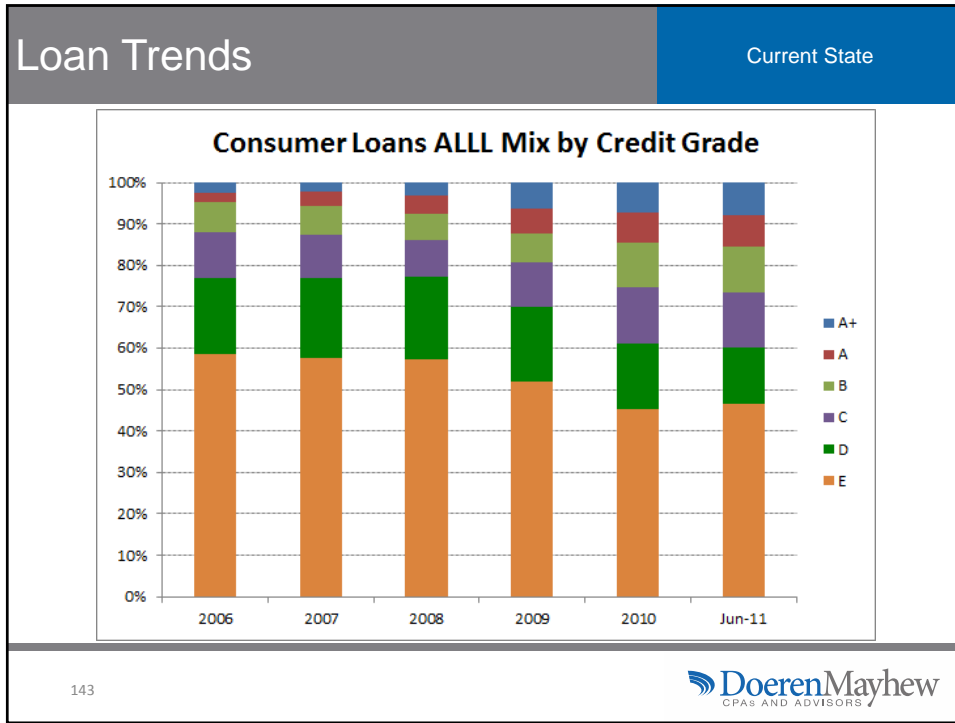


Internal

Current State
*Risk Calculation: Tier I, II & RWA
Loans Stratification*

Future State
*Loan Exposure Probability & Capital Risk Results
Burn Rate*





Loan Risk Categorization Current State

All Mortgages													
Credit Information		Loan Characteristics				Delinquency				Collateral			
Credit Grade	Credit Score Range	Number of Loans	Current Balance	% of Balance	Weighted Averages			<30	≥30 and <60	≥60 and <90	≥90		
					Remaining Yrs	Credit Score	Rate						
A+	720-850	290	\$ 11,411,293	38%	15.7	774	5.49%	\$ 11,411,293	\$ -	\$ -	\$ -	\$ 40,349,802	75%
A	690-719	99	6,519,582	8%	14.9	706	5.84%	6,519,582	-	-	-	7,161,900	91%
B	660-689	61	6,451,604	8%	16.9	674	5.88%	6,399,394	-	-	52,210	6,779,991	95%
C	620-659	64	6,754,491	8%	19.2	642	6.18%	6,579,188	175,303	-	-	6,677,600	101%
D	600-619	23	1,625,084	2%	14.1	611	5.98%	1,625,084	-	-	-	2,008,700	91%
E	1-599	73	7,693,324	9%	16.7	545	5.71%	6,557,972	907,641	13,571	214	7,058,300	109%
TDRs		164	22,695,475	27%	19.4	591	2.57%	17,223,590	3,987,844	445,598	1,058,442	18,082,300	126%
Delinquency Ratio		742	\$ 83,370,853	100%	17.1	676	4.84%	\$ 76,536,105	\$ 5,070,787	\$ 450,160	\$ 1,304,792	\$8,118,593	95%

Mortgages ≤ 100% LTV														
Credit Information		Loan Characteristics				Delinquency				Collateral				
Credit Grade	Credit Score Range	Number of Loans	Current Balance	% of Balance	Weighted Averages			<30	≥30 and <60	≥60 and <90	≥90			
					Remaining Yrs	Credit Score	Rate							
A+	720-850	209	\$ 18,974,220	56%	16.1	777	5.27%	\$ -	\$ 2,541,993	-	-	\$ 80,703,002	62%	
A	690-719	30	2,541,993	8%	13.0	707	5.72%	2,541,993	-	-	-	4,110,800	62%	
B	660-689	36	2,956,229	9%	16.1	674	5.95%	2,904,019	-	-	52,210	4,169,300	71%	
C	620-659	28	2,475,850	7%	16.5	643	6.07%	2,475,850	-	-	-	3,472,600	71%	
D	600-619	15	838,811	2%	14.8	613	5.90%	838,811	-	-	-	1,309,000	64%	
E	1-599	32	2,187,308	6%	15.0	552	6.26%	1,976,890	196,847	13,571	658	3,363,600	65%	
TDRs		35	3,711,938	11%	17.4	572	2.85%	2,406,938	1,056,949	134,743	113,307	4,813,800	77%	
Delinquency Ratio		185	\$ 33,686,369	100%	15.9	712	5.24%	\$ 32,118,742	\$ 1,253,796	\$ 148,114	\$ 165,517	\$1,942,102	66%	
Percent of Mortgage Portfolio					51.9%		40.4%		42.0%		24.7%		32.3%	58.9%

Mortgages > 100% LTV														
Credit Information		Loan Characteristics				Delinquency				Collateral				
Credit Grade	Credit Score Range	Number of Loans	Current Balance	% of Balance	Weighted Averages			<30	≥30 and <60	≥60 and <90	≥90			
					Remaining Yrs	Credit Score	Rate							
A+	720-850	89	\$ 12,457,073	25%	15.2	770	5.84%	\$ 12,457,073	\$ -	\$ -	\$ -	\$ 9,646,800	129%	
A	690-719	29	3,977,090	8%	16.2	706	5.91%	3,977,090	-	-	-	3,051,100	130%	
B	660-689	25	3,495,375	7%	17.6	674	5.82%	3,495,375	-	-	-	2,610,691	134%	
C	620-659	36	4,278,441	9%	20.8	642	6.25%	4,103,338	175,303	-	-	3,205,000	133%	
D	600-619	8	986,253	2%	13.6	609	5.99%	986,253	-	-	-	699,700	141%	
E	1-599	41	5,506,017	11%	17.3	543	5.49%	4,581,083	710,794	-	214,140	3,694,700	149%	
TDRs		129	18,983,537	38%	19.8	595	2.51%	14,816,052	2,930,895	310,855	925,135	13,268,500	143%	
Delinquency Ratio		357	\$ 49,684,484	100%	17.9	652	4.57%	\$ 44,817,368	\$ 3,816,991	\$ 310,855	\$ 1,139,275	\$6,176,491	137%	
Percent of Mortgage Portfolio					48.2%		59.6%		89.4%		7.7%		0.6%	2.3%

Source: CoreLogic

145



Delinquency Matrix Example Current State

Mortgage Credit Score & Delinquency Matrix				
Score	Delinquency			
	<30	≥ 30 and <60	≥ 60 and <90	≥ 90
720-850	3.46%	N/A	N/A	N/A
690-719	5.71%	N/A	N/A	N/A
660-689	7.03%	N/A	87.26%	
620-659	9.97%	40.51%	N/A	N/A
600-619	12.99%	N/A	N/A	N/A
1-599	12.99%	54.49%	99.00%	99.00%
TDR	19.00%	53.35%	92.35%	99.00%
13.59%	9.05%	53.11%	92.55%	98.53%

Delinquency			
Score	Performing	90+ Days	Prepaid
720-850	\$ 24,324,357	\$ 870,390	\$ 6,236,546
690-719	4,773,127	289,142	1,457,313
660-689	4,932,809	418,727	1,100,068
620-659	6,027,288	727,203	-
600-619	1,588,002	237,082	-
1-599	6,121,399	1,571,925	-
TDR	15,855,779	6,839,695	-
\$ 83,370,853	\$ 63,622,761	\$ 10,954,165	\$ 8,793,928

Consumer Loans Credit Score & Delinquency Matrix				
Score	Delinquency			
	<30	≥ 30 and <60	≥ 60 and <90	≥ 90
720-850	3.39%	N/A	N/A	N/A
690-719	5.82%	N/A	N/A	68.78%
660-689	7.18%	25.51%	49.07%	87.26%
620-659	10.05%	40.51%	79.05%	99.00%
600-619	12.99%	54.49%	99.00%	99.00%
1-599	12.99%	54.49%	99.00%	99.00%
TDR	19.00%	54.49%	99.00%	99.00%
11.33%	9.11%	53.40%	97.33%	98.49%

Delinquency			
Score	Performing	90+ Days	Prepaid
720-850	\$ 39,515,740	\$ 1,390,687	\$ 9,619,161
690-719	12,878,920	807,159	4,266,104
660-689	14,646,688	1,211,073	5,036,187
620-659	22,993,192	2,649,704	-
600-619	12,544,188	2,124,868	-
1-599	56,902,878	12,429,066	-
TDR	5,078,076	1,768,812	-
\$ 205,862,504	\$ 164,559,682	\$ 22,381,370	\$ 18,921,452

Prob of 90+ Days	
0%	100%
0%	
10%	
20%	
30%	
40%	
50%	
60%	
70%	
80%	
90%	
100%	

This provides a heat map to the probability of current loans migrating to the default status based on the loan's credit score and delinquency status.

146

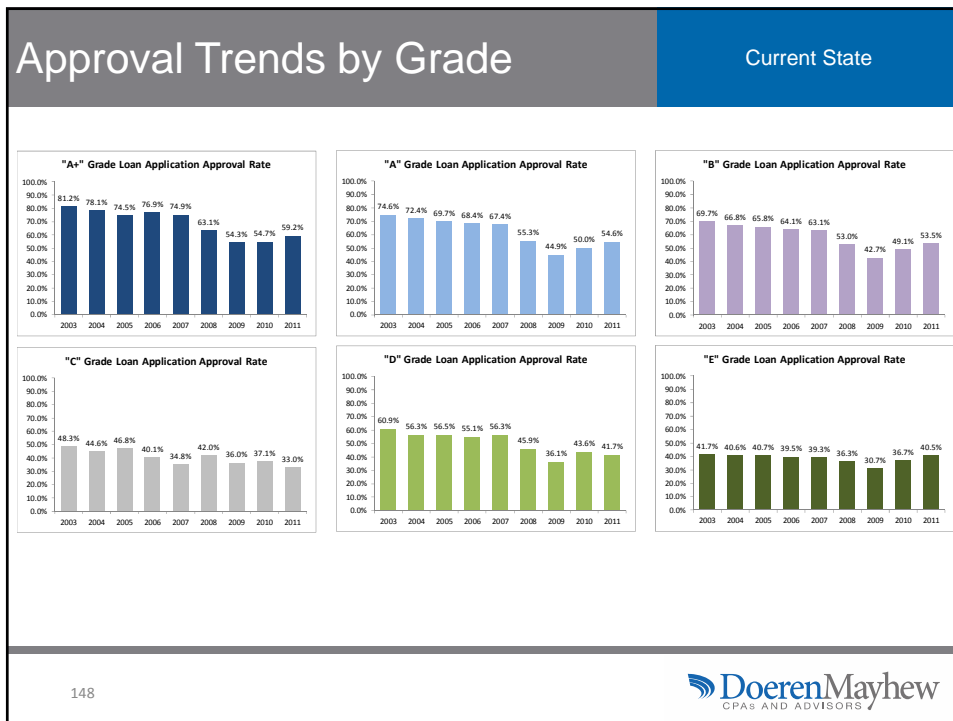


Net Yield Analysis Example

Current State

Credit Grade	Average Portfolio Balance	Weighted Average Interest Rate (Current Rates)	Cost of Funds	Net Interest Margin	Total Charge Offs Net of Recoveries	Net Charge Offs as % of Average Portfolio Balance	Total Servicing & Other Costs as a % of Average Portfolio Balance	NET YIELD \$	Net Yield %
Share Secured									
A+	\$ 334,453	5.217%	0.79%	4.43%	\$ -	0.00%	0.79%	12,155	3.63%
A	\$ 167,674	6.064%	0.79%	5.27%	\$ -	0.00%	0.79%	7,515	4.48%
B	\$ 245,704	5.044%	0.79%	4.25%	\$ -	0.00%	0.83%	8,404	3.42%
C	\$ 191,054	5.091%	0.79%	4.30%	\$ -	0.00%	0.96%	6,381	3.34%
D	\$ 178,582	5.139%	0.79%	4.35%	\$ -	0.00%	1.14%	5,737	3.21%
E	\$ 442,776	5.063%	0.79%	4.27%	\$ 520	0.12%	1.37%	12,335	2.79%
Unsecured									
A+	\$ 2,691,664	10.958%	0.79%	10.17%	\$ 37,605	1.40%	0.79%	214,750	7.98%
A	\$ 1,546,325	12.102%	0.79%	11.31%	\$ 44,899	2.90%	0.79%	117,768	7.62%
B	\$ 1,861,939	13.646%	0.79%	12.86%	\$ 53,275	2.86%	0.83%	170,580	9.16%
C	\$ 2,695,849	14.979%	0.79%	14.19%	\$ 64,667	2.40%	0.96%	291,929	10.83%
D	\$ 1,598,134	15.900%	0.79%	15.11%	\$ 186,277	11.66%	1.14%	37,040	2.32%
E	\$ 6,846,394	16.079%	0.79%	15.29%	\$ 830,687	12.13%	1.37%	122,263	1.79%
Used Vehicle									
A+	\$ 10,345,568	5.735%	0.79%	4.95%	\$ 53,292	0.52%	0.79%	376,357	3.64%
A	\$ 5,624,785	7.643%	0.79%	6.85%	\$ 48,184	0.86%	0.79%	292,721	5.20%
B	\$ 7,163,883	9.760%	0.79%	8.97%	\$ 71,782	1.00%	0.83%	511,107	7.13%
C	\$ 12,238,337	12.701%	0.79%	11.91%	\$ 78,884	0.64%	0.96%	1,261,159	10.30%
D	\$ 7,622,687	14.040%	0.79%	13.25%	\$ 151,152	1.98%	1.14%	772,247	10.13%
E	\$ 35,323,361	16.411%	0.79%	15.62%	\$ 512,724	1.45%	1.37%	4,521,105	12.80%
Mortgages									
A+	\$ 38,985,640	6.007%	0.79%	5.22%	\$ 93,942	0.24%	0.79%	1,630,795	4.18%
A	\$ 9,034,895	6.716%	0.79%	5.93%	\$ 135,492	1.50%	0.79%	328,285	3.63%
B	\$ 9,510,004	6.503%	0.79%	5.71%	\$ 876,154	9.21%	0.83%	(412,138)	-4.33%
C	\$ 11,932,152	6.023%	0.79%	5.23%	\$ 204,026	1.71%	0.96%	305,689	2.56%
D	\$ 3,696,951	5.865%	0.79%	5.08%	\$ 87,228	2.36%	1.14%	58,387	1.58%
E	\$ 25,275,516	4.754%	0.79%	3.96%	\$ 721,207	2.85%	1.37%	(65,654)	-0.26%

147



Econometric/Loan Loss Exposure Shock Probability Example

Future State

Shock Sensitivity Based on Economic Factors

Delinquency Driver

Baseline Unemployment Rate	5.48	} Shocks to unemployment, credit score, and LTV performed on the financials of MFCU.
Current Unemployment Rate	10.50	
Unemployment Rate Shock	10.50	
<i>Adjusted Unemployment Rate after Shock</i>	10.50	

Credit Score

Credit Score Shock	-100	
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Collateral Value

Collateral Value Shock	-20%	
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149

Econometric/Loan Loss Exposure Shock Probability Example Results

Future State

	Current State	Adjusted State		
Tier 1	\$ 80,215,798	\$ 66,665,854		
Tier 2	11,222,076	11,222,076		
Total Assets	591,066,679	551,941,459		
Risk-Weighted Assets	508,110,551	481,602,487		
Total Loans	326,941,043	287,815,823		
NCUSIF Deposit	4,276,207	4,276,207		
Based on Shocked Balance Sheet:				
Regulatory Net Worth	13.68%	11.65%		
Net Worth / Total Assets	14.24%	12.22%		
Based on PCA Net Worth Calculation:				
Net Worth Ratio	13.57%	12.08%		
RBNW Minimum Requirement	6.67%	6.68%		
Conclusion:	Pass	Pass		
Based on PCA Capitalization Requirements*:				
	Level	Level		
Total Risk-Based Capital Ratio	18.00% 1	16.17% 1		
Tier 1: RWA	13.57% 1	12.08% 1		
Leverage Ratio	12.94% 1	11.39% 1		
Conclusion:	Well Capitalized	Well Capitalized		
Risk-Based Net Worth Ratio:	14.95%	12.95%		
*Capital Category Definitions:				
Level	Category	Total Risk-based Capital ratio	Tier 1 Risk-based Capital Ratio	Leverage Ratio
1	Well Capitalized	≥10%	≥6%	≥5%
2	Adequately Capitalized	≥8%	≥4%	≥4%
3	Undercapitalized	<8%	<4%	<4%
4	Significantly undercapitalized	<6%	<3%	<3%

150

Capital Burn Rate (Interpretation)

Future State

- The burn rate is related to the number of years to eliminate the potential loss.
- The chart compares the burn rates in a scenario of no growth for the credit union to a scenario of 3% growth.
- The sensitivities are adjusting different input to show how the burn rate will change.

151



Capital Burn Rate

Future State

Burn Rate Analysis

	No Growth Scenario
Time Frame For Growth	-
Current Assets	590,375,674
a Asset Growth Assumption/year	0.00%
Cumulative Growth Over Period	0.00%
Ending Assets	590,375,674
Current Net Worth	84,049,541
b RDA Assumption/year	0.72%
Cumulative Growth Over Period	0.00%
Incremental Cumulative Return to Net Worth	-
Ending Net Worth	84,049,541
Allowance for Loan Loss	8,706,461
Net Worth + ALLL	92,756,002
Capital %	10.00%
Capital at: 10%	59,037,567
Total Loans	325,239,916
c Potential Loss %	2.94%
Potential Loss \$	9,562,054
How long will it take to burn through NET Worth and ALLL to get to 10%	
Burn Rate in Years	3.53
((Net Worth + ALLL) - (Capital @ 10%)) / Potential Loss	
Burn Rate Triggers	
Minimum Years Coverage	3.00
Maximum Years Coverage	4.00
Results:	3.53
Notes:	
a Assumption	
b RDA as of June 2011	
c Chargeoff percentage as of June 2011	

	No Growth Time Frame Scenario							
	Capital %							
	3.53	7.00%	7.50%	8.00%	8.50%	9.00%	9.50%	10.00%
1.44%	10.98	10.35	9.72	9.09	8.46	7.83	7.20	
1.94%	8.15	7.68	7.22	6.75	6.28	5.81	5.34	
2.44%	6.48	6.11	5.74	5.36	4.99	4.62	4.25	
2.94%	5.38	5.07	4.76	4.45	4.14	3.83	3.53	
3.44%	4.60	4.33	4.07	3.81	3.54	3.28	3.01	
3.94%	4.01	3.78	3.55	3.32	3.09	2.86	2.63	
4.44%	3.56	3.36	3.15	2.95	2.74	2.54	2.33	
Potential Loss								0.50%
Capital %								0.50%

	2.94% Potential Loss and 3 Year Time Frame for Growth							
	Asset Growth (Annualized Number)							
	4.36	0.00%	1.00%	2.00%	3.00%	4.00%	5.00%	6.00%
0.40%	4.27	4.09	3.91	3.73	3.55	3.36	3.16	
0.50%	4.46	4.28	4.11	3.93	3.74	3.56	3.37	
0.60%	4.64	4.47	4.30	4.12	3.94	3.76	3.57	
0.70%	4.83	4.66	4.49	4.32	4.14	3.96	3.78	
0.80%	5.02	4.86	4.69	4.52	4.34	4.16	3.98	
0.90%	5.21	5.05	4.88	4.71	4.54	4.37	4.19	
1.00%	5.40	5.24	5.08	4.91	4.74	4.57	4.40	
RDA								0.10%
Asset Growth								1.00%

	2.94% Potential Loss and 3% Annual Asset Growth Rate							
	Years of Growth							
	4.36	0.0	1.0	2.0	3.0	4.0	5.0	6.0
0.40%	6.96	6.80	6.63	6.47	6.29	6.12	5.94	
0.50%	7.26	7.10	6.94	6.78	6.61	6.44	6.27	
0.60%	7.56	7.41	7.25	7.09	6.93	6.77	6.60	
0.70%	7.86	7.72	7.56	7.41	7.25	7.09	6.93	
0.80%	8.17	8.02	7.88	7.73	7.57	7.42	7.26	
0.90%	8.47	8.33	8.19	8.04	7.90	7.74	7.59	
1.00%	8.77	8.64	8.50	8.36	8.22	8.07	7.92	
RDA								0.10%
Asset Growth								1.0

152




Credit Risk Management

Financial Institutions Group

“Banks should now have a keen awareness of the need to identify, measure, monitor and control credit risk as well as to determine that they hold adequate capital against these risks and that they are adequately compensated for risks incurred.” – from the Basel Committee on Banking Supervision’s paper entitled, “Principles for the Management of Credit Risk”

<u>Control</u>	<u>Measure</u>
Underwriting Process	Adequate Capital
Approval Process	Probability of Default
Review Process	Exposure to Default
Pricing Process	Impact to Capital
Payment Solutions (Collections) Process	Impact of Shocks
	Adequately Compensated
	Net Yield Analysis
<u>Identify</u>	<u>Monitor</u>
Portfolio segmentation and Stratification	Triggers
Credit Score	
LTV	
Delinquency	
Concentration	
Approvals and Loyalty	
% of Applications Approved	
% of Members Delinquent	

153



Questions?



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Thank You!



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- Enterprise Risk Management systems
- Compliance auditing

156

