

PennAnalytics LLC
ACA Financial Performance Tool
Ratio Reference Document
Generated June 09, 2026

All ratios are expressed as **percentages (%)** unless noted as a multiple (x) or percentage-point change (pp).

Annualization Note

Flow variables (income/expense items) are YTD cumulative from the Call Report. Annualization factor = 12 / reporting_month (e.g. 4.0 at Q1, 2.0 at Q2, 1.333 at Q3, 1.0 at Q4). When both numerator and denominator are flow variables, the factor cancels and is omitted.

Abbrev.	Schedule Name
RC	Schedule RC — Balance Sheet
RC.1	Schedule RC.1 — Memoranda (Loan Portfolio Composition)
RI	Schedule RI — Income & Comprehensive Income Statement
RCF	Schedule RC-F — Loan Performance by Status
RCG	Schedule RC-G — Average Daily Amounts for the Quarter
RCK	Schedule RC-K — Accrual Loan Activity Reconciliation
RCR-1	Schedule RC-R.1 — Regulatory Capital Components (Dec 2017+)
RCR-2	Schedule RC-R.2 — Regulatory Capital Ratios (Dec 2017+)

Capital Adequacy

C-1 — Total Capital Ratio

Formula	Net Worth / Total Assets × 100
Unit	%
Notes	Primary solvency indicator. FCS cooperative analog of the commercial bank leverage ratio. Not risk-weighted.

Variable	Schedule	Description
netwrth	RC — Balance Sheet	Total net worth
assets	RC — Balance Sheet	Total assets

C-2 — Permanent Capital Ratio

Formula	2017+: FCA official permcapd (from RCR-2, stored as fraction) × 100 Pre-2017: Avg Permanent Capital / Avg Risk-Adjusted Assets × 100
Unit	%
Notes	FCS-specific regulatory metric; no commercial bank equivalent. Permanent capital includes retained earnings, allocated surplus, and certain stock instruments. The 2017+ figure is FCA's own computed ratio reported directly in RCR-2.

Variable	Schedule	Description
permcapd	RCR-2 — Reg Capital Ratios (2017+)	Permanent capital ratio (FCA official, stored as %)
avprmcap	RCG — Quarterly Averages (pre-2017)	Average permanent capital
avrskas	RCG — Quarterly Averages (pre-2017)	Average risk-adjusted assets

C-3 — Core Surplus Ratio

Formula	2017+: URE & Equivalents / RWA (Permanent Capital Basis) × 100 Pre-2017: Avg Core Surplus / Avg Risk-Adjusted Assets × 100
Unit	%
Notes	FCA Tier 1 analog. Core surplus = unallocated retained earnings plus equivalents. Measures the highest-quality, unencumbered capital buffer.

Variable	Schedule	Description
ureandequiv	RCR-1 — Reg Capital Components (2017+)	URE and equivalents (core surplus base)
rwapermcap	RCR-1 — Reg Capital Components (2017+)	Risk-weighted assets for permanent capital ratio
avcorsur	RCG — Quarterly Averages (pre-2017)	Average core surplus
avrskas	RCG — Quarterly Averages (pre-2017)	Average risk-adjusted assets

C-4 — Total Surplus Ratio

Formula	2017+: Total Regulatory Capital / RWA (Permanent Capital Basis) × 100 Pre-2017: Avg Total Surplus / Avg Risk-Adjusted Assets × 100
Unit	%
Notes	Broader FCS capital buffer measure. Includes allocated surplus in addition to core surplus. Complementary to C-3.

Variable	Schedule	Description
totregcap	RCR-1 — Reg Capital Components (2017+)	Total regulatory capital (quarter-end)
rwapermcap	RCR-1 — Reg Capital Components (2017+)	Risk-weighted assets for permanent capital ratio
avtotsur	RCG — Quarterly Averages (pre-2017)	Average total surplus
avrskas	RCG — Quarterly Averages (pre-2017)	Average risk-adjusted assets

C-6 — CET1 Ratio

Formula	cet1ratio × 100
Unit	%
Notes	Common Equity Tier 1 / RWA. Available 2017+; NULL for earlier periods. FCA pre-calculated; stored as fraction in RCR-2.

Variable	Schedule	Description
cet1ratio	RCR-2 — Reg Capital Ratios (2017+)	CET1 capital ratio (FCA official, stored as fraction)

C-7 — Tier 1 Capital Ratio

Formula	tier1ratio × 100
Unit	%
Notes	Tier 1 Capital / RWA. Available 2017+; NULL for earlier periods.

Variable	Schedule	Description
tier1ratio	RCR-2 — Reg Capital Ratios (2017+)	Tier 1 capital ratio (FCA official, stored as fraction)

C-8 — Total Regulatory Capital Ratio

Formula	totregcapratio × 100
Unit	%
Notes	Total Regulatory Capital / RWA. Available 2017+.

Variable	Schedule	Description
totregcapratio	RCR-2 — Reg Capital Ratios (2017+)	Total regulatory capital ratio (FCA official, stored as fraction)

C-9 — Tier 1 Leverage Ratio

Formula	$\text{tier1lvrgratio} \times 100$
Unit	%
Notes	Tier 1 Capital / Total Assets (adjusted). Available 2017+.

Variable	Schedule	Description
tier1lvrgratio	RCR-2 — Reg Capital Ratios (2017+)	Tier 1 leverage ratio (FCA official, stored as fraction)

C-10 — URE & Equivalents Leverage Ratio

Formula	$\text{ureandequivlvrgratio} \times 100$
Unit	%
Notes	URE and Equivalents / Total Assets. FCS-specific leverage metric. Available 2017+.

Variable	Schedule	Description
ureandequivlvrgratio	RCR-2 — Reg Capital Ratios (2017+)	URE and equivalents leverage ratio (FCA official, stored as fraction)

Asset Quality

A-1 — Nonaccrual Loan Ratio

Formula	$\text{Nonaccrual Loans} / \text{Net Loans} \times 100$
Unit	%
Notes	Core credit quality indicator. Uses net loans (after ACL) as denominator. See A-13 for the FIRS variant using gross loans.

Variable	Schedule	Description
nonacr	RC — Balance Sheet	Nonaccrual loans
netloans	RC — Balance Sheet	Net loans (gross loans minus allowance for credit losses)

A-2 — Accruing Past Due 90+ Days Ratio

Formula	$\text{Accruing Loans 90+ Days Past Due} / \text{Gross Loan Items} \times 100$
Unit	%
Notes	Leading indicator of nonaccrual migration. Denominator is total gross loans from RCF totals row (loanstatus = 60).

Variable	Schedule	Description
pdue90	RCF — Loan Performance (loanstatus=60)	Loans past due 90+ days (total row)
loans_gross	RCF — Loan Performance (loanstatus=60)	Total gross loan items (total row, column totpdue)

A-3 — Delinquency Rate 30–89 Days

Formula	Loans 30–89 Days Past Due / Gross Loan Items × 100
Unit	%
Notes	Early warning indicator. Leads nonaccrual migration by approximately 1–2 quarters.

Variable	Schedule	Description
pdue30	RCF — Loan Performance (loanstatus=60)	Loans past due 30–89 days (total row)
loans_gross	RCF — Loan Performance (loanstatus=60)	Total gross loan items (total row)

A-4 — Adverse Asset Ratio

Formula	(Nonaccrual Loans + OREO + Restructured Loans) / Total Assets × 100
Unit	%
Notes	Comprehensive impaired asset measure. Restructured loans = formally restructured accruing (RCF loanstatus=20, totpdue column).

Variable	Schedule	Description
nonacr	RC — Balance Sheet	Nonaccrual loans
naqprop	RC — Balance Sheet	Other property owned (OREO / acquired property)
restructured_loans	RCF — Loan Performance (loanstatus=20)	Formally restructured accruing loans (totpdue column)
assets	RC — Balance Sheet	Total assets

A-5 — Allowance Coverage Ratio

Formula	Allowance for Credit Losses / Net Loans × 100
Unit	%
Notes	Reserve adequacy against the net loan portfolio. For the FIRS variant using gross loans see A-15.

Variable	Schedule	Description
allnloss	RC — Balance Sheet	Allowance for credit losses
netloans	RC — Balance Sheet	Net loans

A-6 — Nonaccrual Coverage Ratio

Formula	Allowance for Credit Losses / Nonaccrual Loans × 100
Unit	%
Notes	Reserve coverage of specifically identified impaired loans. >100% indicates reserves exceed identified problem loans.

Variable	Schedule	Description
allnloss	RC — Balance Sheet	Allowance for credit losses
nonacr	RC — Balance Sheet	Nonaccrual loans

A-7 — Net Charge-Off Rate

Formula	$(\text{Gross Charge-Offs} - \text{Recoveries}) \times \text{Annualization Factor} / \text{Avg Accrual Loans} \times 100$
Unit	%
Notes	Annualized realized loss rate. Both numerator components are YTD cumulative from RCK. Annualization factor = 12 / reporting_month.

Variable	Schedule	Description
coacrlns	RCK — Accrual Loan Activity	Gross charge-offs on accrual loans (YTD cumulative)
recacrln	RCK — Accrual Loan Activity	Recoveries / reinstatements of charge-offs (YTD cumulative)
avacrlns	RCG — Quarterly Averages	Average accrual loans for the quarter

A-8 — Provision Rate

Formula	$\text{Provision for Credit Losses} \times \text{Annualization Factor} / \text{Avg Accrual Loans} \times 100$
Unit	%
Notes	Forward-looking loss recognition rate. Provision is YTD cumulative from RI.

Variable	Schedule	Description
provlns	RI — Income Statement	Provision for credit losses on loans (YTD cumulative)
avacrlns	RCG — Quarterly Averages	Average accrual loans for the quarter

A-9 — OREO Ratio

Formula	$\text{Other Property Owned} / \text{Total Assets} \times 100$
Unit	%
Notes	Foreclosed property burden as share of total assets.

Variable	Schedule	Description
naqprop	RC — Balance Sheet	Other property owned (OREO / acquired property)
assets	RC — Balance Sheet	Total assets

A-10 — Restructured Loan Ratio

Formula	$\text{Formally Restructured Accruing Loans} / \text{Gross Loan Items} \times 100$
Unit	%
Notes	Extent of workout activity. Formally restructured accruing loans are loanstatus=20 in RCF.

Variable	Schedule	Description
restructured_loans	RCF — Loan Performance (loanstatus=20)	Formally restructured accruing loans (totpdue column)
loans_gross	RCF — Loan Performance (loanstatus=60)	Total gross loan items (total row)

A-11 — Adverse Classified Assets / Total Regulatory Capital

Formula	Adverse Assets / Total Regulatory Capital × 100	
Unit	%	
Notes	FIRS examiner metric. Adverse assets = loanstatus 54 (substandard accruing) + loanstatus 56 (adverse nonaccrual) from RCF. Available 2017+.	
Variable	Schedule	Description
adverse_total	RCF — Loan Performance (loanstatus 54+56)	Sum of substandard accruing + adverse nonaccrual loan totals
totregcap	RCR-1 — Reg Capital Components (2017+)	Total regulatory capital (quarter-end)

A-12 — Criticized Assets / Total Regulatory Capital

Formula	Criticized Assets / Total Regulatory Capital × 100	
Unit	%	
Notes	FIRS examiner metric. Criticized = Adverse + loanstatus 20 (formally restructured / OEM). Available 2017+.	
Variable	Schedule	Description
criticized_total	RCF — Loan Performance (loanstatus 20+54+56)	Sum of OEM/formally restructured + substandard + adverse nonaccrual
totregcap	RCR-1 — Reg Capital Components (2017+)	Total regulatory capital (quarter-end)

A-13 — Nonaccrual / Gross Loan Items

Formula	Nonaccrual Loans / Gross Loan Items × 100	
Unit	%	
Notes	FIRS exact denominator variant of A-1. Uses gross loans rather than net loans.	
Variable	Schedule	Description
nonacr	RC — Balance Sheet	Nonaccrual loans
loans_gross	RCF — Loan Performance (loanstatus=60)	Total gross loan items (total row)

A-14 — Total Past Due ≥ 30 Days / Gross Loan Items

Formula	(Loans 30–89 Days Past Due + Loans 90+ Days Past Due) / Gross Loan Items × 100	
Unit	%	
Notes	FIRS benchmark. Combines both past-due buckets for total delinquency rate.	
Variable	Schedule	Description
pdue30	RCF — Loan Performance (loanstatus=60)	Loans past due 30–89 days (total row)
pdue90	RCF — Loan Performance (loanstatus=60)	Loans past due 90+ days (total row)
loans_gross	RCF — Loan Performance (loanstatus=60)	Total gross loan items (total row)

A-15 — Allowance for Credit Losses / Gross Loan Items

Formula	Allowance for Credit Losses / Gross Loan Items × 100
Unit	%
Notes	FIRS variant of A-5. Uses gross loans as denominator.

Variable	Schedule	Description
allnloss	RC — Balance Sheet	Allowance for credit losses
loans_gross	RCF — Loan Performance (loanstatus=60)	Total gross loan items (total row)

A-16 — Special Mention Assets / Total Classified Assets

Formula	(Criticized Assets – Adverse Assets) / Criticized Assets × 100
Unit	%
Notes	FIRS composition metric. Special Mention (OAEM) = Criticized minus Adverse. Returns NULL when no classified assets exist.

Variable	Schedule	Description
criticized_total	RCF — Loan Performance (loanstatus 20+54+56)	Total criticized assets
adverse_total	RCF — Loan Performance (loanstatus 54+56)	Total adverse assets

A-17 — Adverse Assets / Total Classified Assets

Formula	Adverse Assets / Criticized Assets × 100
Unit	%
Notes	FIRS composition metric; complement of A-16. Measures severity within the classified portfolio.

Variable	Schedule	Description
adverse_total	RCF — Loan Performance (loanstatus 54+56)	Total adverse assets
criticized_total	RCF — Loan Performance (loanstatus 20+54+56)	Total criticized assets

A-18 — Top 10 Loan Commitments / Total Regulatory Capital

Formula	Aggregate 10 Largest Loan Commitments / Total Regulatory Capital × 100
Unit	%
Notes	Single-borrower concentration metric. FIRS 'other statistic' for the Asset Quality component. Available 2017+ (regulatory capital denominator).

Variable	Schedule	Description
top10loans	RC.1 — Memoranda	Aggregate 10 largest loan commitments
totregcap	RCR-1 — Reg Capital Components (2017+)	Total regulatory capital (quarter-end)

Management / Efficiency

M-1 — Efficiency Ratio

Formula	$\text{Noninterest Expense} / (\text{Net Interest Income} + \text{Noninterest Income}) \times 100$
Unit	%
Notes	Primary management metric. Lower = more efficient. All components are YTD flow items; annualization cancels. No annualization factor applied.

Variable	Schedule	Description
totnonintexp	RI — Income Statement	Total noninterest expense (YTD cumulative)
netinty	RI — Income Statement	Net interest income (YTD cumulative)
totnoninty	RI — Income Statement	Total noninterest income (YTD cumulative)

M-2 — Operating Expense / Average Assets

Formula	$\text{Noninterest Expense} \times \text{Annualization Factor} / \text{Avg Total Assets} \times 100$
Unit	%
Notes	Cost burden relative to asset base, annualized.

Variable	Schedule	Description
totnonintexp	RI — Income Statement	Total noninterest expense (YTD cumulative)
avasset	RCG — Quarterly Averages	Average total assets for the quarter

M-3 — Noninterest Expense / Average Loans

Formula	$\text{Noninterest Expense} \times \text{Annualization Factor} / \text{Avg Accrual Loans} \times 100$
Unit	%
Notes	Cost per dollar of earning assets, annualized.

Variable	Schedule	Description
totnonintexp	RI — Income Statement	Total noninterest expense (YTD cumulative)
avacrlns	RCG — Quarterly Averages	Average accrual loans for the quarter

Earnings

E-1 — ROAA (Pre-Patronage)

Formula	$(\text{Net Income} + \text{Patronage Paid}) \times \text{Annualization Factor} / \text{Avg Total Assets} \times 100$
Unit	%
Notes	Return on average assets before patronage distributions. Patronage paid is a cooperative distribution, not an expense — adding it back restores true earnings power for comparison to commercial banks.

Variable	Schedule	Description
nety	RI — Income Statement	Net income (YTD cumulative)
patpaid	RI — Income Statement	Patronage paid on asset purchases/sales (YTD cumulative; NULL treated as 0)
avasset	RCG — Quarterly Averages	Average total assets for the quarter

E-1b — ROAA (Post-Patronage)

Formula	$\text{Net Income} \times \text{Annualization Factor} / \text{Avg Total Assets} \times 100$
Unit	%
Notes	ROAA as reported, after all patronage distributions have been deducted.

Variable	Schedule	Description
nety	RI — Income Statement	Net income (YTD cumulative)
avasset	RCG — Quarterly Averages	Average total assets for the quarter

E-2 — ROAE (Pre-Patronage)

Formula	$(\text{Net Income} + \text{Patronage Paid}) \times \text{Annualization Factor} / \text{Avg Net Worth} \times 100$
Unit	%
Notes	Return on average equity before patronage. Uses cooperative net worth as the equity base.

Variable	Schedule	Description
nety	RI — Income Statement	Net income (YTD cumulative)
patpaid	RI — Income Statement	Patronage paid (YTD cumulative; NULL treated as 0)
avnwrth	RCG — Quarterly Averages	Average total net worth for the quarter

E-2b — ROAE (Post-Patronage)

Formula	$\text{Net Income} \times \text{Annualization Factor} / \text{Avg Net Worth} \times 100$
Unit	%
Notes	ROAE after all patronage distributions.

Variable	Schedule	Description
nety	RI — Income Statement	Net income (YTD cumulative)
avnwrth	RCG — Quarterly Averages	Average total net worth for the quarter

E-3 — Net Interest Margin (NIM)

Formula	$\text{Net Interest Income} \times \text{Annualization Factor} / \text{Avg Earning Assets} \times 100$
Unit	%
Notes	Reflects the spread between loan yields and cost of funds from the district Farm Credit Bank.

Variable	Schedule	Description
netinty	RI — Income Statement	Net interest income (YTD cumulative)
avearnas	RCG — Quarterly Averages	Average total interest-earning assets for the quarter

E-4 — NIM on Loans

Formula	$\text{Net Interest Income} \times \text{Annualization Factor} / \text{Avg Accrual Loans} \times 100$
Unit	%
Notes	Loan-focused yield spread. Substitutes average loans for average earning assets as denominator.

Variable	Schedule	Description
netinty	RI — Income Statement	Net interest income (YTD cumulative)
avacrlns	RCG — Quarterly Averages	Average accrual loans for the quarter

E-5 — Patronage Expense / Average Assets

Formula	$\text{Patronage Paid} \times \text{Annualization Factor} / \text{Avg Total Assets} \times 100$
Unit	%
Notes	Cooperative-specific. Measures the cost of patronage distributions relative to assets.

Variable	Schedule	Description
patpaid	RI — Income Statement	Patronage paid on asset purchases/sales (YTD cumulative)
avasset	RCG — Quarterly Averages	Average total assets for the quarter

E-6 — Noninterest Income / Average Assets

Formula	$\text{Total Noninterest Income} \times \text{Annualization Factor} / \text{Avg Total Assets} \times 100$
Unit	%
Notes	Fee income and other non-spread revenue as a share of assets.

Variable	Schedule	Description
totnoninty	RI — Income Statement	Total noninterest income (YTD cumulative)
avasset	RCG — Quarterly Averages	Average total assets for the quarter

E-7 — PPNR / Average Assets

Formula	$(\text{Net Interest Income} + \text{Noninterest Income} - \text{Noninterest Expense}) \times \text{Annualization Factor} / \text{Avg Total Assets} \times 100$
Unit	%
Notes	Pre-Provision Net Revenue measures core earnings capacity before credit loss provisions.

Variable	Schedule	Description
netinty	RI — Income Statement	Net interest income (YTD cumulative)
totnoninty	RI — Income Statement	Total noninterest income (YTD cumulative)
totnonintexp	RI — Income Statement	Total noninterest expense (YTD cumulative)
avasset	RCG — Quarterly Averages	Average total assets for the quarter

E-8 — Net Income / Average Loans

Formula	$\text{Net Income} \times \text{Annualization Factor} / \text{Avg Accrual Loans} \times 100$
Unit	%
Notes	Loan portfolio earnings efficiency.

Variable	Schedule	Description
nety	RI — Income Statement	Net income (YTD cumulative)
avacrlns	RCG — Quarterly Averages	Average accrual loans for the quarter

E-10 — Return on Risk-Weighted Assets

Formula	$\text{Net Income} \times \text{Annualization Factor} / \text{Risk-Weighted Assets} \times 100$
Unit	%
Notes	FIRS 'other statistic' for the Earnings component. Available 2017+ (RWA from RCR-1).

Variable	Schedule	Description
nety	RI — Income Statement	Net income (YTD cumulative)
rwaregcap	RCR-1 — Reg Capital Components (2017+)	Risk-weighted assets for regulatory capital ratio (quarter-end)

Liquidity

L-1 — Loan-to-Asset Ratio

Formula	$\text{Net Loans} / \text{Total Assets} \times 100$
Unit	%
Notes	Earning asset concentration. ACAs typically show 70–85% given the absence of a securities portfolio.

Variable	Schedule	Description
netloans	RC — Balance Sheet	Net loans
assets	RC — Balance Sheet	Total assets

L-2 — Borrowed Funds / Total Liabilities

Formula	$(\text{Systemwide Notes} + \text{Notes Payable to FCS} + \text{Other Int-Bearing Debt}) / \text{Total Liabilities} \times 100$
Unit	%
Notes	ACA funding structure ratio. ACAs fund primarily through their district Farm Credit Bank, not retail deposits.

Variable	Schedule	Description
sysntbdsos	RC — Balance Sheet	Systemwide notes and bonds outstanding
ntpayofci	RC — Balance Sheet	Notes payable to other FCS institutions (direct note to district bank)
ointbeardt	RC — Balance Sheet	Other interest-bearing debt
liabs	RC — Balance Sheet	Total liabilities

L-3 — Short-Term Borrowings / Total Borrowings

Formula	$\text{Other Interest-Bearing Debt} / (\text{Systemwide Notes} + \text{Notes Payable to FCS} + \text{Other Int-Bearing Debt}) \times 100$
Unit	%
Notes	Funding duration and rollover risk proxy. 'ointbeardt' is used as the variable-rate / short-term component; a full maturity schedule breakdown is not available in loaded Call Report data.

Variable	Schedule	Description
ointbeardt	RC — Balance Sheet	Other interest-bearing debt (proxy for short-term / variable-rate funding)
sysntbdsos	RC — Balance Sheet	Systemwide notes and bonds outstanding
ntpayofci	RC — Balance Sheet	Notes payable to other FCS institutions

L-4 — Liquid Assets / Total Assets

Formula	$(\text{Cash} + \text{Total Investments}) / \text{Total Assets} \times 100$
Unit	%
Notes	Immediate liquidity buffer. Investments field is NULL for early vintages (treated as 0).

Variable	Schedule	Description
cash	RC — Balance Sheet	Cash and cash equivalents
totinvestments	RC — Balance Sheet	Total investment securities (added ~2021; NULL for earlier periods, treated as 0)
assets	RC — Balance Sheet	Total assets

L-5 — Accrual Acceptable Loans / Direct Note

Formula	$\text{Accrual Acceptable Loans (Not Past Due)} / \text{Notes Payable to District Bank} \times 100$
Unit	%
Notes	GFA collateral ratio — Tier 1 (highest quality). Measures the association's highest-quality collateral (current accruing acceptable loans) relative to the direct note it owes its funding bank.

Variable	Schedule	Description
acceptable_accrual	RCF — Loan Performance (loanstatus=10, notpdue)	Acceptable accrual loans not past due
ntpayofci	RC — Balance Sheet	Notes payable to other FCS institutions (direct note to district bank)

L-6 — Acceptable Loans / Direct Note

Formula	$\text{Total Acceptable Loans} / \text{Notes Payable to District Bank} \times 100$
Unit	%
Notes	GFA collateral ratio — Tier 2. Includes past-due acceptable loans in the collateral base.

Variable	Schedule	Description
acceptable_total	RCF — Loan Performance (loanstatus=10, totpdue)	Total acceptable loans (including past due)
ntpayofci	RC — Balance Sheet	Notes payable to other FCS institutions

L-7 — Acceptable + Special Mention Loans / Direct Note

Formula	(Acceptable + Formally Restructured/OAEM Loans) / Notes Payable to District Bank × 100
Unit	%
Notes	GFA collateral ratio — Tier 3 (broadest). Adds loanstatus=20 (formally restructured / OAEM) to the acceptable base.

Variable	Schedule	Description
acceptable_sm_total	RCF — Loan Performance (loanstatus=10+20, totpdue)	Acceptable + formally restructured/OAEM loans
ntpayofci	RC — Balance Sheet	Notes payable to other FCS institutions

Sensitivity / Portfolio Concentration

S-1 — Real Estate Loans / Total Loans

Formula	Real Estate Mortgage Loans / Total Loans × 100
Unit	%
Notes	Collateral concentration; exposes capital to farmland price risk.

Variable	Schedule	Description
typre	RC.1 — Memoranda	Real estate mortgage loans
typtotal	RC.1 — Memoranda	Total loans (all types)

S-2 — Production & Intermediate-Term / Total Loans

Formula	Production & Intermediate-Term Loans / Total Loans × 100
Unit	%
Notes	Operating credit exposure; sensitive to commodity prices and operating margins.

Variable	Schedule	Description
typpoint	RC.1 — Memoranda	Production and intermediate-term loans
typtotal	RC.1 — Memoranda	Total loans

S-3 — Agribusiness Loans / Total Loans

Formula	(Cooperative Loans + Processing & Marketing Loans + Farm-Related Business Loans) / Total Loans × 100
Unit	%
Notes	Commercial agricultural enterprise exposure. Sum of three agribusiness sub-types.

Variable	Schedule	Description
typpcoop	RC.1 — Memoranda	Agribusiness: cooperative loans
typprocmkt	RC.1 — Memoranda	Agribusiness: processing and marketing loans
typpfarmrel	RC.1 — Memoranda	Agribusiness: farm-related business loans
typtotal	RC.1 — Memoranda	Total loans

S-4 — Rural Residential / Total Loans

Formula	Rural Residence Real Estate Loans / Total Loans × 100
Unit	%
Notes	Non-farm residential exposure within the FCS charter.

Variable	Schedule	Description
typrurre	RC.1 — Memoranda	Rural residence real estate loans
typtotal	RC.1 — Memoranda	Total loans

S-5 — Other Loan Types / Total Loans

Formula	(Total Loans – Real Estate – Production & IT – Agribusiness – Rural Residential) / Total Loans × 100
Unit	%
Notes	Residual loan-type exposure not captured by S-1 through S-4. Includes: Communications (typcomm), Energy (typenerg), Water & Waste Disposal (typwatw), International (typintl), Lease Receivables (typesrec), and Other Loans (typtoth). Reported as NULL if the computed value is negative or exceeds 100% (either result indicates a data integrity problem in the call report).

Variable	Schedule	Description
typtotal	RC.1 — Memoranda	Total loans (denominator and minuend base)
typre	RC.1 — Memoranda	Real estate mortgage loans (subtracted)
typpoint	RC.1 — Memoranda	Production & intermediate-term loans (subtracted)
typcoop	RC.1 — Memoranda	Agribusiness: cooperatives (subtracted via S-3)
typprocmt	RC.1 — Memoranda	Agribusiness: processing & marketing (subtracted via S-3)
typfarmrel	RC.1 — Memoranda	Agribusiness: farm-related business (subtracted via S-3)
typrurre	RC.1 — Memoranda	Rural residence real estate loans (subtracted)

Growth Metrics

G-1 — Total Asset Growth (YoY)

Formula	(Total Assets[current] – Total Assets[prior year same quarter]) / Total Assets[prior year] × 100
Unit	%
Notes	Balance sheet expansion rate; NULL for the earliest available year.

Variable	Schedule	Description
assets [current]	RC — Balance Sheet	Total assets (current quarter)
assets [prior year]	RC — Balance Sheet	Total assets (same quarter, prior year)

G-2 — Loan Portfolio Growth (YoY)

Formula	$(\text{Net Loans}[\text{current}] - \text{Net Loans}[\text{prior year same quarter}]) / \text{Net Loans}[\text{prior year}] \times 100$
Unit	%
Notes	Rapid loan growth is a leading indicator of future credit quality deterioration.

Variable	Schedule	Description
netloans [current]	RC — Balance Sheet	Net loans (current quarter)
netloans [prior year]	RC — Balance Sheet	Net loans (same quarter, prior year)

G-3 — Net Worth Growth (YoY)

Formula	$(\text{Net Worth}[\text{current}] - \text{Net Worth}[\text{prior year same quarter}]) / \text{Net Worth}[\text{prior year}] \times 100$
Unit	%
Notes	Capital accumulation rate; reflects retained earnings net of patronage distributions.

Variable	Schedule	Description
netwrth [current]	RC — Balance Sheet	Total net worth (current quarter)
netwrth [prior year]	RC — Balance Sheet	Total net worth (same quarter, prior year)

G-4 — NCO Trend YoY (pp)

Formula	$\text{Annualized NCO Rate}[\text{current year}] - \text{Annualized NCO Rate}[\text{prior year same quarter}]$
Unit	pp
Notes	Change in net charge-off rate year-over-year, in percentage points. Positive = charge-off rate rising; negative = improving. Both rates computed using their respective year's annualization factor and average loans.

Variable	Schedule	Description
coacrlns [current]	RCK — Accrual Loan Activity	Gross charge-offs (YTD, current year)
recacrln [current]	RCK — Accrual Loan Activity	Recoveries (YTD, current year)
avacrlns [current]	RCG — Quarterly Averages	Average accrual loans (current quarter)
coacrlns [prior yr]	RCK — Accrual Loan Activity	Gross charge-offs (YTD, prior year same quarter)
recacrln [prior yr]	RCK — Accrual Loan Activity	Recoveries (YTD, prior year same quarter)
avacrlns [prior yr]	RCG — Quarterly Averages	Average accrual loans (prior year same quarter)

Stress Testing / Loss Absorption

ST-1 — Loss Absorption Capacity

Formula	$\text{Allowance for Credit Losses} / (\text{Net Worth} + \text{Allowance}) \times 100$
Unit	%
Notes	Share of the total loss-absorption buffer (capital + reserves) that is held as reserves rather than equity.

Variable	Schedule	Description
allnloss	RC — Balance Sheet	Allowance for credit losses
netwrth	RC — Balance Sheet	Total net worth

ST-2 — PPNR Coverage of NCOs

Formula	PPNR / Net Charge-Offs
Unit	× (multiple)
Notes	Years of current PPNR required to cover current charge-offs. Both are YTD flows; annualization cancels. PPNR = Net Interest Income + Noninterest Income – Noninterest Expense.

Variable	Schedule	Description
netinty	RI — Income Statement	Net interest income (YTD cumulative)
totnoninty	RI — Income Statement	Total noninterest income (YTD cumulative)
totnonintexp	RI — Income Statement	Total noninterest expense (YTD cumulative)
coacrlns	RCK — Accrual Loan Activity	Gross charge-offs (YTD cumulative)
recacrln	RCK — Accrual Loan Activity	Recoveries (YTD cumulative)

ST-3 — Capital Coverage of Nonaccruals

Formula	Net Worth / Nonaccrual Loans × 100
Unit	%
Notes	Capital buffer relative to identified impaired loans. >100% means capital exceeds total nonaccruals.

Variable	Schedule	Description
netwrth	RC — Balance Sheet	Total net worth
nonacr	RC — Balance Sheet	Nonaccrual loans

ST-4 — Total Buffer / Adverse Assets

Formula	(Net Worth + Allowance) / (Nonaccrual + OREO + Restructured Loans) × 100
Unit	%
Notes	Combined loss-absorption buffer (capital + reserves) against the full adverse asset base.

Variable	Schedule	Description
netwrth	RC — Balance Sheet	Total net worth
allnloss	RC — Balance Sheet	Allowance for credit losses
nonacr	RC — Balance Sheet	Nonaccrual loans
naqprop	RC — Balance Sheet	Other property owned (OREO)
restructured_loans	RCF — Loan Performance (loanstatus=20)	Formally restructured accruing loans (totpdue)

ST-6 — Capital Depletion Rate

Formula	Net Charge-Offs × Annualization Factor / Net Worth × 100
Unit	%
Notes	Pace at which current charge-off activity would consume capital if continued.

Variable	Schedule	Description
coacrlns	RCK — Accrual Loan Activity	Gross charge-offs (YTD cumulative)
recacrln	RCK — Accrual Loan Activity	Recoveries (YTD cumulative)
netwrth	RC — Balance Sheet	Total net worth

ST-8 — Nonaccrual Migration QoQ (pp)

Formula	Nonaccrual Rate[current quarter] – Nonaccrual Rate[prior quarter]
Unit	pp
Notes	Quarter-over-quarter change in the nonaccrual ratio, in percentage points. Positive = deteriorating; negative = improving. Both rates computed as nonacr / netloans × 100.

Variable	Schedule	Description
nonacr [current]	RC — Balance Sheet	Nonaccrual loans (current quarter)
netloans [current]	RC — Balance Sheet	Net loans (current quarter)
nonacr [prior qtr]	RC — Balance Sheet	Nonaccrual loans (prior quarter)
netloans [prior qtr]	RC — Balance Sheet	Net loans (prior quarter)

ST-9 — Provision / NCO Ratio

Formula	Provision for Credit Losses / Net Charge-Offs
Unit	× (multiple)
Notes	>1 indicates the institution is building reserves; <1 indicates it is drawing down reserves.

Variable	Schedule	Description
provlns	RI — Income Statement	Provision for credit losses on loans (YTD cumulative)
coacrlns	RCK — Accrual Loan Activity	Gross charge-offs (YTD cumulative)
recacrln	RCK — Accrual Loan Activity	Recoveries (YTD cumulative)

ST-12 — Top Segment / Capital Buffer

Formula	$\text{MAX}(\text{Real Estate Loans, Production Loans, Agribusiness Loans}) / (\text{Net Worth} + \text{Allowance}) \times 100$
Unit	%
Notes	Capital at risk if the dominant loan segment experiences severe losses. Uses the largest of the three primary loan type balances.

Variable	Schedule	Description
typre	RC.1 — Memoranda	Real estate mortgage loans
typpoint	RC.1 — Memoranda	Production and intermediate-term loans
typagbiz	RC.1 — Memoranda	Agribusiness loans (cooperative + processing/marketing + farm-related)
netwrth	RC — Balance Sheet	Total net worth
allnloss	RC — Balance Sheet	Allowance for credit losses