# Meridian Economics <br> Trusted Insight, Effective Solutions 

| DEMOGRAPHICS |  |  |  |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| No. of Credit Unions | 354 | 805 | 1,541 | 687 | 1,063 | 649 | 5,099 | 1,159 | 2,700 | 3,387 |
| Avg Asset Size (\$Mil) | $\$ 0.981$ | $\$ 6.4$ | $\$ 26.8$ | $\$ 70.7$ | $\$ 214.3$ | $\$ 1,916.2$ | $\$ 307.3$ | $\$ 4.8$ | $\$ 17.3$ | $\$ 28.1$ |
| Pct of Credit Unions | $7 \%$ | $16 \%$ | $30 \%$ | $13 \%$ | $21 \%$ | $13 \%$ | $100 \%$ | $23 \%$ | $53 \%$ | $66 \%$ |
| Pct of Industry Assets | $0.0 \%$ | $0.2 \%$ | $2 \%$ | $3 \%$ | $13 \%$ | $82 \%$ | $100 \%$ | $0 \%$ | $2 \%$ | $5 \%$ |

GROWTH RATES

## Total Assets

Total Loans Total Shares Net Worth

| $-8.7 \%$ | $-13.4 \%$ | $-4.2 \%$ | $1.8 \%$ | $4.3 \%$ | $21.7 \%$ | $17.7 \%$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $-23.7 \%$ | $-24.5 \%$ | $-18.2 \%$ | $-11.1 \%$ | $-8.6 \%$ | $8.4 \%$ | $4.9 \%$ |
| $-6.6 \%$ | $-10.4 \%$ | $-2.5 \%$ | $2.6 \%$ | $5.3 \%$ | $20.6 \%$ | $17.1 \%$ |
| $-13.2 \%$ | $-17.8 \%$ | $-12.3 \%$ | $-6.3 \%$ | $-5.8 \%$ | $10.6 \%$ | $6.8 \%$ |


| $-13.1 \%$ | $-5.2 \%$ | $-1.7 \%$ | $2.5 \%$ |
| :---: | :---: | :---: | :---: |
| $-24.5 \%$ | $-18.9 \%$ | $-14.8 \%$ | $-10.2 \%$ |
| $-10.2 \%$ | $-3.4 \%$ | $-0.3 \%$ | $3.6 \%$ |
| $-17.5 \%$ | $-13.0 \%$ | $-9.8 \%$ | $-7.1 \%$ |

## BALANCE SHEET ALLOCATION

Net Worth Ratio
Cash \& Inv-to-Assets
Loans-to-Total Assets

Vehicle-to-Total Loans RELoans-to-Total Loans RELoans-to-Net Worth Indirect-to-Total Loans

Loans-to-Shares
Checking \& Savings-to-Total Shares Pct of Non-term-Shares
Term CDs-to-Total Shares
ST Funding Ratio
Net Long Term Assets Ratio

| 18.2\% | 15.5\% | 12.1\% | 11.3\% | 10.4\% | 10.2\% | 10.3\% | 15.7\% | 12.5\% | 11.9\% | 10.9\% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 58\% | 53\% | 51\% | 45\% | 36\% | 32\% | 33\% | 54\% | 51\% | 48\% | 39\% |
| 41\% | 46\% | 46\% | 51\% | 59\% | 65\% | 63\% | 45\% | 46\% | 49\% | 56\% |
| 60\% | 64\% | 49\% | 43\% | 38\% | 31\% | 33\% | 64\% | 51\% | 46\% | 40\% |
| 1\% | 7\% | 29\% | 40\% | 46\% | 53\% | 52\% | 7\% | 27\% | 34\% | 43\% |
| 1\% | 22\% | 112\% | 179\% | 262\% | 337\% | 315\% | 20\% | 100\% | 140\% | 224\% |
| 0\% | 0\% | 4\% | 10\% | 17\% | 21\% | 20\% | 0\% | 4\% | 7\% | 15\% |
| 51\% | 54\% | 53\% | 58\% | 67\% | 75\% | 73\% | 54\% | 53\% | 56\% | 64\% |
| 93\% | 84\% | 76\% | 70\% | 63\% | 51\% | 54\% | 84\% | 77\% | 73\% | 66\% |
| 93\% | 85\% | 83\% | 81\% | 78\% | 75\% | 76\% | 86\% | 83\% | 82\% | 79\% |
| 4\% | 11\% | 11\% | 13\% | 15\% | 18\% | 17\% | 10\% | 11\% | 12\% | 14\% |
| 49.1\% | 38.9\% | 32.7\% | 27.5\% | 21.3\% | 17.2\% | 18.4\% | 33.4\% | 30.4\% | 24.0\% | 18.6\% |
| 2.8\% | 7.0\% | 17.3\% | 23.9\% | 30.2\% | 36.2\% | 34.6\% | 16.2\% | 20.1\% | 27.2\% | 34.4\% |


| LOAN QUALITY AND ADEQUACY OF RESERVES |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |


| EARNINGS: |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Gross Asset Yield | 3.61\% | 3.25\% | 3.11\% | 3.19\% | 3.26\% | 3.60\% | 3.53\% | 3.27\% | 3.13\% | 3.16\% | 3.23\% |
| Cost of Funds | 0.39\% | 0.37\% | 0.36\% | 0.39\% | 0.48\% | 0.77\% | 0.71\% | 0.37\% | 0.36\% | 0.38\% | 0.45\% |
| Gross Margin | 3.22\% | 2.88\% | 2.75\% | 2.80\% | 2.77\% | 2.83\% | 2.82\% | 2.90\% | 2.76\% | 2.78\% | 2.78\% |
| Provision Expense | 0.29\% | 0.25\% | 0.16\% | 0.19\% | 0.24\% | 0.56\% | 0.50\% | 0.25\% | 0.17\% | 0.18\% | 0.23\% |
| Net Margin | 2.93\% | 2.63\% | 2.59\% | 2.61\% | 2.53\% | 2.27\% | 2.32\% | 2.65\% | 2.60\% | 2.60\% | 2.55\% |
| Non-Interest Income | 0.39\% | 0.51\% | 0.83\% | 1.07\% | 1.28\% | 1.33\% | 1.30\% | 0.51\% | 0.79\% | 0.93\% | 1.18\% |
| Non-Interest Expense | 3.54\% | 3.18\% | 3.15\% | 3.29\% | 3.34\% | 2.93\% | 3.01\% | 3.20\% | 3.15\% | 3.22\% | 3.31\% |
| Net Operating Exp | 3.14\% | 2.67\% | 2.32\% | 2.22\% | 2.06\% | 1.60\% | 1.70\% | 2.70\% | 2.36\% | 2.29\% | 2.13\% |
| Net Operating Return | -0.22\% | -0.04\% | 0.27\% | 0.39\% | 0.46\% | 0.67\% | 0.62\% | -0.05\% | 0.23\% | 0.32\% | 0.42\% |
| Non-recurring $\operatorname{lnc}($ Exp $)$ | 0.24\% | 0.11\% | 0.05\% | 0.04\% | 0.04\% | 0.09\% | 0.08\% | 0.12\% | 0.06\% | 0.05\% | 0.04\% |
| Net Income (ROA) | 0.02\% | 0.07\% | 0.32\% | 0.43\% | 0.50\% | 0.76\% | 0.70\% | 0.07\% | 0.29\% | 0.36\% | 0.46\% |
| Net Op Return on NW | -1.2\% | -0.2\% | 2.1\% | 3.3\% | 4.2\% | 6.3\% | 5.7\% | -0.3\% | 1.8\% | 2.6\% | 3.7\% |

# Meridian Economics <br> Trusted Insight, Effective Solutions 

NCUA Q4-2020
<\$2M $\quad \$ 2-10 \mathrm{M} \quad \$ 10-\$ 50 \mathrm{M}$ \$50-100M $\$ 100-500 \mathrm{M}$ \$500M+ TOTAL <10M
<\$50M
<\$100M
<\$500M

## OPERATING EFFICIENCIES:

## Loans \& Shares-

| Avg Loan Balance | $\$ 5,104$ | $\$ 7,041$ | $\$ 6,964$ | $\$ 8,655$ | $\$ 12,807$ | $\$ 17,738$ | $\$ 16,175$ | $\$ 6,925$ | $\$ 6,960$ | $\$ 7,860$ | $\$ 11,530$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Avg Loan Rate | $6.85 \%$ | $5.47 \%$ | $4.97 \%$ | $4.83 \%$ | $4.55 \%$ | $4.76 \%$ | $4.74 \%$ | $5.56 \%$ | $5.04 \%$ | $4.93 \%$ | $4.64 \%$ |
| Avg Loan Yield, net | $6.22 \%$ | $4.97 \%$ | $4.66 \%$ | $4.49 \%$ | $4.16 \%$ | $3.93 \%$ | $3.99 \%$ | $5.04 \%$ | $4.71 \%$ | $4.59 \%$ | $4.27 \%$ |
| Avg Share Balance |  | $\$ 2,512$ | $\$ 5,159$ | $\$ 8,383$ | $\$ 8,715$ | $\$ 11,092$ | $\$ 13,497$ | $\$ 12,769$ | $\$ 4,835$ | $\$ 7,786$ | $\$ 8,226$ |
| Avg Share Rate | $0.49 \%$ | $0.45 \%$ | $0.42 \%$ | $0.45 \%$ | $0.56 \%$ | $0.90 \%$ | $0.83 \%$ | $0.45 \%$ | $0.42 \%$ | $0.43 \%$ | $0.52 \%$ |
| Non-Member Deposit Ratio | $1.1 \%$ | $1.0 \%$ | $0.7 \%$ | $0.7 \%$ | $0.7 \%$ | $0.7 \%$ | $0.7 \%$ | $1.0 \%$ | $0.7 \%$ | $0.7 \%$ | $0.7 \%$ |

## Net Operating Profitability-

| Earning Asset/Funding | $123 \%$ | $118 \%$ | $111 \%$ | $109 \%$ | $108 \%$ | $112 \%$ | $111 \%$ | $118 \%$ | $112 \%$ | $110 \%$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Non-Interest Inc-to-Total Revenue | $10 \%$ | $14 \%$ | $21 \%$ | $25 \%$ | $28 \%$ | $27 \%$ | $27 \%$ | $13 \%$ | $20 \%$ | $23 \%$ |


| Interest Income per FTE | \$42,862 | \$69,731 | \$127,469 | \$133,642 | \$138,425 | \$211,094 | \$191,742 | \$66,764 | \$115,055 | \$124,079 | \$134,047 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Avg Interest \& Provisions per FTE | \$8,086 | \$13,324 | \$21,228 | \$24,143 | \$31,005 | \$77,895 | \$65,409 | \$12,746 | \$19,493 | \$21,751 | \$28,180 |
| Net Interest Income per FTE | \$34,776 | \$56,407 | \$106,241 | \$109,499 | \$107,421 | \$133,199 | \$126,333 | \$54,018 | \$95,562 | \$102,329 | \$105,867 |
| Non-Interest Income per FTE | \$4,651 | \$11,015 | \$33,884 | \$44,810 | \$54,212 | \$78,100 | \$70,758 | \$10,312 | \$29,063 | \$36,709 | \$48,870 |
| Avg Operating Expense per FTE | \$42,004 | \$68,266 | \$129,095 | \$137,751 | \$141,895 | \$172,136 | \$163,364 | \$65,365 | \$116,062 | \$126,593 | \$137,224 |
| Net Operating Expense per FTE | \$37,352 | \$57,251 | \$95,211 | \$92,941 | \$87,682 | \$94,036 | \$92,606 | \$55,053 | \$86,999 | \$89,884 | \$88,354 |
| Avg Net Operating Return per FTE | -\$2,576 | -\$844 | \$11,030 | \$16,558 | \$19,739 | \$39,163 | \$33,727 | -\$1,035 | \$8,563 | \$12,445 | \$17,512 |

## Revenue/Operating Expense Assessment

Revenue-

| Avg Revenue per FTE | $\$ 47,513$ | $\$ 80,746$ | $\$ 161,353$ | $\$ 178,451$ | $\$ 192,638$ | $\$ 289,193$ | $\$ 262,499$ | $\$ 77,076$ | $\$ 144,118$ | $\$ 160,788$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| - \$otal Revenue Ratio | $4.00 \%$ | $3.76 \%$ | $3.93 \%$ | $4.26 \%$ | $4.53 \%$ | $4.93 \%$ | $4.83 \%$ | $3.78 \%$ | $3.92 \%$ | $4.09 \%$ |


| Avg Compensation \& Benefits per FTE | \$19,678 | \$36,731 | \$62,668 | \$66,778 | \$72,435 | \$90,964 | \$85,489 | \$34,848 | \$56,979 | \$61,737 | \$69,170 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| - Compensation \& Benefits Exp Ratio | 1.66\% | 1.71\% | 1.53\% | 1.59\% | 1.71\% | 1.55\% | 1.57\% | 1.71\% | 1.55\% | 1.57\% | 1.67\% |
| - Pct of Total Operating Expense | 47\% | 54\% | 49\% | 48\% | 51\% | 53\% | 52\% | 53\% | 49\% | 49\% | 50\% |
| - FTE-to-Ops (Staff Efficiency) | 2.10 | 0.98 | 0.41 | 0.35 | 0.30 | 0.19 | 0.22 | 1.05 | 0.47 | 0.40 | 0.32 |
| - Full-time Equivalents | 280 | 2,252 | 9,846 | 11,681 | 54,766 | 234,995 | 313,818 | 2,531 | 12,377 | 24,057 | 78,823 |
| - Pct Part-time Employees | 78\% | 36\% | 16\% | 10\% | 7\% | 5\% | 6\% | 42\% | 22\% | 16\% | 10\% |
| Avg Occupancy \& Ops Exp per FTE | \$13,596 | \$18,432 | \$34,737 | \$35,272 | \$36,172 | \$42,214 | \$40,469 | \$17,898 | \$31,293 | \$33,225 | \$35,273 |
| - Occupancy \& Ops Expense Ratio | 1.14\% | 0.86\% | 0.85\% | 0.84\% | 0.85\% | 0.72\% | 0.74\% | 0.88\% | 0.85\% | 0.85\% | 0.85\% |
| - Pct of Total Operating Expense | 32\% | 27\% | 27\% | 26\% | 25\% | 25\% | 25\% | 27\% | 27\% | 26\% | 26\% |
| Avg All Other Expense per FTE | \$8,730 | \$13,102 | \$31,690 | \$35,701 | \$33,287 | \$38,958 | \$37,405 | \$12,620 | \$27,790 | \$31,631 | \$32,782 |
| - All Other Expense Ratio | 0.73\% | 0.61\% | 0.77\% | 0.85\% | 0.78\% | 0.66\% | 0.69\% | 0.62\% | 0.75\% | 0.80\% | 0.79\% |
| - Pct of Total Operating Expense | 21\% | 19\% | 25\% | 26\% | 23\% | 23\% | 23\% | 19\% | 24\% | 25\% | 24\% |

## Membership Outreach-

| Members-to-Potential Members | $4.0 \%$ | $7.2 \%$ | $3.0 \%$ | $2.6 \%$ | $2.4 \%$ | $3.1 \%$ | $3.0 \%$ | $6.6 \%$ | $3.3 \%$ | $2.9 \%$ | $2.5 \%$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Members-to-FTEs | 365 | 325 | 418 | 382 | 344 | 409 | 396 | 329 | 400 | 391 | 359 |
| Borrower-to-Members | $25.3 \%$ | $39.7 \%$ | $63.4 \%$ | $65.5 \%$ | $58.3 \%$ | $57.3 \%$ | $57.8 \%$ | $37.7 \%$ | $59.1 \%$ | $61.7 \%$ | $57.2 \%$ |
| Branches | 355 | 836 | 2,188 | 1,669 | 4,955 | 11,218 | 21,219 | 1,191 | 3,378 | 5,047 | 10,002 |
| Members per Branch | 288 | 874 | 1,883 | 2,674 | 3,805 | 8,564 | 5,859 | 700 | 1,466 | 1,866 | 2,826 |



| NET INFRASTRUCTURE COST: |  |  |  |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | $0.39 \%$ | $0.51 \%$ | $0.83 \%$ | $1.07 \%$ | $1.28 \%$ | $1.33 \%$ | $1.30 \%$ | $0.51 \%$ | $0.79 \%$ | $0.93 \%$ |
| Fee Income |  |  |  |  |  |  |  |  | $1.18 \%$ |  |  |
|  | $1.66 \%$ | $1.71 \%$ | $1.53 \%$ | $1.59 \%$ | $1.71 \%$ | $1.55 \%$ | $1.57 \%$ | $1.71 \%$ | $1.55 \%$ | $1.57 \%$ | $1.67 \%$ |
| Compensation \& Benefits | $0.02 \%$ | $0.01 \%$ | $0.01 \%$ | $0.02 \%$ | $0.02 \%$ | $0.01 \%$ | $0.01 \%$ | $0.01 \%$ | $0.01 \%$ | $0.02 \%$ | $0.02 \%$ |
| Travel \& Conference | $0.21 \%$ | $0.14 \%$ | $0.19 \%$ | $0.21 \%$ | $0.22 \%$ | $0.19 \%$ | $0.19 \%$ | $0.15 \%$ | $0.19 \%$ | $0.20 \%$ | $0.22 \%$ |
| Office Occcupancy | $0.93 \%$ | $0.72 \%$ | $0.66 \%$ | $0.63 \%$ | $0.63 \%$ | $0.53 \%$ | $0.55 \%$ | $0.73 \%$ | $0.66 \%$ | $0.65 \%$ | $0.63 \%$ |
| Office Operations | $0.01 \%$ | $0.02 \%$ | $0.06 \%$ | $0.08 \%$ | $0.10 \%$ | $0.11 \%$ | $0.10 \%$ | $0.02 \%$ | $0.05 \%$ | $0.07 \%$ | $0.09 \%$ |
| Educational \& Promo | $0.12 \%$ | $0.10 \%$ | $0.17 \%$ | $0.21 \%$ | $0.23 \%$ | $0.20 \%$ | $0.20 \%$ | $0.10 \%$ | $0.16 \%$ | $0.19 \%$ | $0.22 \%$ |
| Loan Servicing | $0.33 \%$ | $0.33 \%$ | $0.41 \%$ | $0.45 \%$ | $0.35 \%$ | $0.22 \%$ | $0.25 \%$ | $0.33 \%$ | $0.40 \%$ | $0.43 \%$ | $0.37 \%$ |
| Professional \& Outside Services | $0.02 \%$ | $0.01 \%$ | $0.00 \%$ | $0.00 \%$ | $0.00 \%$ | $0.00 \%$ | $0.00 \%$ | $0.01 \%$ | $0.00 \%$ | $0.00 \%$ | $0.00 \%$ |
| Member Insurance | $0.06 \%$ | $0.03 \%$ | $0.02 \%$ | $0.02 \%$ | $0.02 \%$ | $0.01 \%$ | $0.01 \%$ | $0.03 \%$ | $0.03 \%$ | $0.02 \%$ | $0.02 \%$ |
| Operating Fees | $0.18 \%$ | $0.10 \%$ | $0.10 \%$ | $0.07 \%$ | $0.07 \%$ | $0.11 \%$ | $0.10 \%$ | $0.10 \%$ | $0.10 \%$ | $0.08 \%$ | $0.07 \%$ |
| Miscellaneous | $\mathbf{3 . 5 4 \%}$ | $\mathbf{3 . 1 8 \%}$ | $\mathbf{3 . 1 5 \%}$ | $\mathbf{3 . 2 9 \%}$ | $\mathbf{3 . 3 4 \%}$ | $\mathbf{2 . 9 3 \%}$ | $\mathbf{3 . 0 1 \%}$ | $\mathbf{3 . 2 0} \%$ | $\mathbf{3 . 1 5 \%}$ | $\mathbf{3 . 2 2 \%}$ | $\mathbf{3 . 3 1 \%}$ |
| Total Ops Expense |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |


| Net Operating Expense | $3.14 \%$ | $2.67 \%$ | $2.32 \%$ | $2.22 \%$ | $2.06 \%$ | $1.60 \%$ | $1.70 \%$ | $2.70 \%$ | $2.36 \%$ | $2.29 \%$ | $2.13 \%$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

## NET INFRASTRUCTURE COST PER FULL-TIME EQUIVALENT

|  |  |  |  |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Fee Income | $\mathbf{\$ 4 , 6 5 1}$ | $\mathbf{\$ 1 1 , 0 1 5}$ | $\mathbf{\$ 3 3 , 8 8 4}$ | $\mathbf{\$ 4 4 , 8 1 0}$ | $\mathbf{\$ 5 4 , 2 1 2}$ | $\mathbf{\$ 7 8 , 1 0 0}$ | $\mathbf{\$ 7 0 , 7 5 8}$ | $\mathbf{\$ 1 0 , 3 1 2}$ | $\mathbf{\$ 2 9 , 0 6 3}$ | $\mathbf{\$ 3 6 , 7 0 9}$ |

