

## 100% TRANSPARENCY FOR MUNICIPALS

**MuniRisk™ covers over 48,000 unique municipal issuers** residing in all 50 states and D.C. and five U.S. Territories (Puerto Rico, Guam, Northern Mariana Islands, the U.S. Virgin Islands, and American Samoa), including 1 million active securities and 4.7+ million matured or expired securities.

### COVERAGE QUICK FACTS:

- 
- Complete financials on over 48,000 obligors and 127,000+ individual fund accounts
  - 30% more reports and disclosure documents than available via EMMA or MSRB
  - Full security master, transaction and pricing data (*see below for detail*)
  - Full economic and demographic data, all mapped back to county, school district, city, MSA, state and national performance
  - Sector-specific operational data mapped back to obligors

*Complete data coverage lets you move seamlessly*

### FROM HIGH-LEVEL TO DEEP DIVE RESEARCH IN SECONDS

Pinpoint credit outliers, assess true relative value and move seamlessly from high-level to deep dive research with all up-to-date data right at your fingertips, including full security master, transaction and pricing data. ▶ *See Appendix F for full details.*

- Descriptive information
- Bond classification
- Bond security
- MSRB & BVAL pricing information\*
- Ratings (M/S/F)
- Refunding / Redemption information
- Call, Put and Sink details
- Trade history
- Indices
- Mutual Fund Holdings

\*Additional pricing source (e.g., IDC) available based on individual user permissions

### About the Application

**MuniRisk™ is the *first and only* municipal credit research platform that delivers complete market coverage.** The application reinvents fundamental credit and relative trade analysis by bringing full transparency to the municipal market. MuniRisk™ collects municipal data, offering users as reported *and* standardized views. By delivering actionable market intelligence to users, the application eliminates data challenges. Now, portfolio managers and credit analysts can focus on the actual credit risk monitoring and deep dive research needed to bring transparency to the market.

*No more surprises. No more unknowns.*

MuniRisk™ is exclusively available on the Bloomberg Terminal® at APPS CREDIT <GO>.

### For data or product support:

✉ [support@munirisk.com](mailto:support@munirisk.com)

☎ (646) 783-8032

🌐 [www.munirisk.com](http://www.munirisk.com)

## FINANCIAL COVERAGE

FINANCIAL

ECONOMIC

DEMOGRAPHIC

SECTOR

| OVERVIEW  | INFORMATION TYPE   | OBLIGOR TYPES   | FUND TYPES  |
|---|--|---|---|
| <p><b>Full financial statements for over 48,000 unique obligors and 127,000+ individual funds</b></p> <p>► See Appendix A for complete list of data points captured</p> <p>► See Appendix G for complete list of key ratios</p> | <ul style="list-style-type: none"> <li>Income statement<sup>**^</sup></li> <li>Balance sheet<sup>**^</sup></li> <li>Cash flow statement<sup>**^</sup></li> <li>Pension &amp; OPEB information</li> <li>Debt structure and schedule</li> <li>Endowment details</li> <li>Continuing disclosures</li> <li>Key financial ratios</li> </ul> <p><i>*Standardized, ^As Reported</i></p> | <p><b>GO</b><br/><i>(state, local, school district)</i></p> <hr/> <p><b>Revenue</b></p> | <ul style="list-style-type: none"> <li>General</li> <li>Government wide activities</li> <li>Total gov't</li> <li>Debt service</li> <li>Pension</li> </ul> <hr/> <ul style="list-style-type: none"> <li>See Sector Coverage Table below</li> </ul> |

### Quick Tip

#### Add an issuer to the database

Our Municipal Data team will add any future or requested issuer that is not currently covered at no cost to users.

Simply submit a request to [support@munirisk.com](mailto:support@munirisk.com). Another benefit of being part of the MuniRisk™ Community.

## WHAT SECTORS DOES MUNIRISK™ COVER?

The application covers the entire market. With over 50 sectors (representative sample below), MuniRisk™ covers nearly five times as many as its nearest comparable solution. There are no size limitations.

#### General Government

State Govt.  
US Territory Govt.  
Local Govt.  
School District  
Development District  
Special District  
Federal Govt.

#### Education

Higher Education  
Charter School  
Independent School

#### Healthcare

Health System  
Hospital  
Hospital District

#### Transportation

Tollway/Tunnel/Bridge  
Airport  
Combined Port Authority  
Port  
Public Transportation  
Special Revenue Entity  
Parking Facility

#### Utility

Federal Utility Agency  
Joint Action Agency/Cooperative  
Standalone Utility

#### Housing

State Housing Finance Agency  
Local Housing Finance Agency  
Public Housing Authority  
Local Standalone Housing  
Privatized Student Housing  
Military Housing

#### Senior Living

Multi-Site Sr. Living System  
Single Site Sr. Living

#### Securitization

Gas Prepayment  
Student Loan  
Tobacco Settlement  
Utility Cost Recovery Charge

#### Other

Tribal  
Detention Facility  
Other Non-Profit Enterprise  
Stadium and Convention Center  
Municipal Pool Program  
Water & Sewer State Revolving Fund  
Project Finance

## ECONOMIC COVERAGE

FINANCIAL

ECONOMIC

DEMOGRAPHIC

SECTOR

### OVERVIEW

Over 55,000 unique economic data series geo-mapped to the selected obligor

Over 157,000 total unique data source keys

### REPORTING LEVEL

- National
- 50 states, D.C., and territories
- 3,200 counties / boroughs
- 1,000+ MSAs /  $\mu$ SA / CSAs

### INFORMATION TYPE

All broken down by geographic region where applicable

- Housing statistics
- Employment and labor statistics\*
- Wage & earnings\*
- Personal income & earnings
- GDP
- Inflation\*

\*Also broken down by industry

### SOURCES

Bureau of Economic Analysis: Personal income, employment, and GDP data

Bureau of Labor Statistics: Employment, labor, inflation, and wage data series

Zillow: Monthly home prices and housing stats

S&P CoreLogic Case-Shiller Home Price Indices

► See Appendix B for complete list of data points captured

## DEMOGRAPHIC COVERAGE

FINANCIAL

ECONOMIC

DEMOGRAPHIC

SECTOR

### OVERVIEW

Over 6,000 current and historical Census data series geo-mapped to the selected obligor

County health rankings

### REPORTING LEVEL

- National
- 50 states, D.C., and territories
- 10,000+ cities / towns / villages
- 10,000+ school districts
- 3,200+ counties / boroughs
- 1,000+ MSAs /  $\mu$ SA / CSAs

### INFORMATION TYPE

Information is broken down by household and population for over 6,000 data series, including key metrics such as:

- Family type
- Income & benefits
- Occupant density
- Estimated value & gross rent
- Race, sex, and age
- Marital status
- School enrollment
- Employment status
- Educational attainment

### SOURCES

U.S. Census Bureau: American Community Survey (1 year and 5 year available)

Center for Disease Control and University of Wisconsin: County Health Ranking

► See Appendix C for complete list of data points captured

## SECTOR COVERAGE

FINANCIAL

ECONOMIC

DEMOGRAPHIC

SECTOR

| OVERVIEW  | SECTORS  | INFORMATION TYPE  | SOURCES  |  |
|---|--|---|--|--|
| <b>Operational metrics from third-party sources</b> | Healthcare & Hospital Systems  | <ul style="list-style-type: none"> <li>400 series of utilization statistics for approximately 6,000 hospitals</li> </ul>                    | American Hospital Association (AHA)<br><br>Center for Medicare and Medicaid Services (CMS) Healthcare Cost Report Information System (HCRIS) | ▶ See Appendix D for complete list of data points captured |
|   |  | <ul style="list-style-type: none"> <li>Hospital to obligated group mapping of over 300+ healthcare systems</li> </ul>                       | MuniRisk™  |  |
|   | Airports   | <ul style="list-style-type: none"> <li>Monthly flight level data on over 10,000 airports mapped back to their municipal obligors</li> </ul> | U.S. Department of Transportation (DOT)<br><br>Federal Aviation Administration (FAA)   |  |
|   | Higher Education   | <ul style="list-style-type: none"> <li>Operating data for over 7,000 public / private universities and graduate schools</li> </ul>          | U.S. Department of Education<br><br>Integrated Postsecondary Education Data System (IPEDS)   |  |
|   | School Districts   | <ul style="list-style-type: none"> <li>School District operational data on over 10,000 districts</li> </ul>                                 | U.S. Department of Education   |  |
| <b>Operational metrics direct from issuers</b>      | Healthcare<br>Senior Living<br>Higher Ed<br>Local Govt<br>Transportation<br>Utility<br>Housing | --  | Obligor financial statements & continuing disclosures  | ▶ See Appendix E for complete list of data points captured |

## APPENDIX A: FINANCIAL STATEMENTS

| <b>A. State &amp; Local Govt Financial Statement(s)</b>             | <b>C. Pension Fund Information_State &amp; Local Government</b> | <b>C. Pension Fund Information_State &amp; Local Government, Cont'd</b> |
|---|---|---|
| 1 General Fund Income Statement_Standardized_Full Statement         | 1 Member & Employer Contributions                               | 34 Rate of Compensation increase (pension)                              |
| 2 General Fund Balance Sheet_Standardized_Full Statement            | 2 Additions & Deductions to Pension Fund                        | 35 Expected Return on Plan Assets (other/healthcare)                    |
| 3 Total Govt Fund Income Statement_Standardized_Full Statement      | 3 Pension Plan Type   | 36 Health Care Cost Trend Actual(current year)                          |
| 4 Total Govt Fund Balance Sheet_Standardized_Full Statement         | 4 Pension Beneficiary Group                                     | 37 Health Care Cost Trend Projected(next year)                          |
| 5 Debt Service Fund Income Statement_Standardized_Full Statement    | 5 Actuarial Valuation Frequency                                 | 38 Benefits Paid (Pension)  |
| 6 Debt Service Fund Balance Sheet_Standardized_Full Statement       | 6 Actuarial Cost Method   | 39 Employer Contribution (Postretirement)                               |
| 7 Govt-wide Activities Income Statement_Standardized_Full Statement | 7 Amortization Method   | 40 Benefits Paid (Postretirement)                                       |
| 8 Govt-wide Activities Balance Sheet_Standardized_Full Statement    | 8 Pension Expense (Income)                                      | 41 Interest Cost (Pension)  |
| 9 General Fund Income Statement_As Reported_Full Statement          | 9 Other Post Retirement Benefits Expense (Income)               | 42 Interest Cost (Other Post Retirement Benefits)                       |
| 10 General Fund Balance Sheet_As Reported_Full Statement            | 10 Service Cost   | 43 Actual Return (Loss) on Plan Assets (Pension)                        |
| 11 Total Govt Fund Income Statement_As Reported_Full Statement      | 11 Service Cost (Other Post Retirement Benefits)                | 44 Actual Return (Loss) on Plan Assets (Postretirement)                 |
| 12 Total Govt Fund Balance Sheet_As Reported_Full Statement         | 12 State's Proportionate Share of TPL                           | 45 Expected Return on Pension Plan Assets                               |
| 13 Govt-wide Activities Income Statement_As Reported_Full Statement | 13 State's Proportionate Share of FNP                           | 46 Expected Return On Plan Assets (other Post Retire Benefits)          |
| 14 Govt-wide Activities Balance Sheet_As Reported_Full Statement    | 14 State's Proportionate Share of NPL                           | 47 Pension Plan Asset Breakdown (by Security Type)                      |
| 15 Debt Service Fund Income Statement_As Reported_Full Statement    | 15 Employer's Proportionate Share of TPL                        | 48 Target Pension Plan Asset Breakdown (by Security Type)               |
| 16 Debt Service Fund Balance Sheet_As Reported_Full Statement       | 16 Employer's Proportionate Share of FNP                        | 49 Expected Pension Benefit Payments - Forward 5 Year                   |
|   | 17 Employer's Proportionate Share of NPL                        | 50 Expected Postretirement Benefit Payments - Forward 5 Year            |
|   | 18 Projected Benefit Obligation                                 | 51 Pension Beneficiaries  |
| <b>B. State &amp; Local Govt Debt Information</b>                   | 19 Fair Value of Plan Assets                                    | 52 Pension - Active Members   |
| 1 Total Debt Breakdown (by Type)                                    | 20 Overfunded (underfunded) Pension                             | 53 Pension - Inactive Members   |
| 2 Operating Lease Information                                       | 21 Pension Annual Required Contribution                         | 54 State Role - Pension Plan Support                                    |
| 3 Capital Lease Information   | 22 Pension Covered Payroll                                      |   |
| 4 Rental Expense Information  | 23 Projected Post Retirement Benefit Obligations                | <b>D. Revenue Obligor Financial Statement(s)</b>                        |
| 5 Direct & Overlapping Debt Information                             | 24 Fair Value of Post Retirement Plan Assets                    | 1 Income Statement_Standardized   |
| 6 Interest Rate Swap information                                    | 25 Overfunded (underfunded) Post Retirement Benefits            | 2 Balance Sheet_Standardized  |
| 7 Total Debt Schedule   | 26 OPEB Covered Payroll   | 3 Cash Flow Statement_Standardized                                      |
| 8 GO Debt Forward Schedule  | 27 Accumulated Benefit Obligation (Postretirement)              | 4 Income Statement_As Reported  |
| 9 Revenue Debt Forward Schedule                                     | 28 Expected Return on Plan Assets (pension) %                   | 5 Balance Sheet_As Reported   |
| 10 Other Debt Forward Schedule                                      | 29 Inc(Dec) in Net Pension Obligation                           | 6 Cash Flow Statement_As Reported                                       |
| 11 Component Unit Debt Forward Schedule                             | 30 OPEB Annual Required Contribution                            |   |
| 12 Capital Lease Forward Schedule                                   | 31 Inc(Dec) in Net OPEB Obligation                              |   |
| 13 Rental Expense Schedule  | 32 Discount Rate used on Plan Liabilities (pension)             |   |
| 14 Local Govt Legal Debt Limit Information                          | 33 Discount Rate used on Liabs (other/healthcare)               |   |
| 15 Debt Per Capita  |   |   |

## APPENDIX A: FINANCIAL STATEMENTS

**E. Revenue Obligor Debt Information**

- 1 Total Outstanding Debt Breakdown (by Type)
- 2 Forward Debt Service Schedule
- 3 Forward Rental Expense Schedule
- 4 Forward Capital Lease Schedule
- 5 Revenue Available for Debt Service
- 6 Annual Debt Service - As Reported
- 7 Debt Service Coverage Ratio - As Reported
- 8 Required Debt Service Coverage Ratio - As Reported
- 9 Maximum Annual Debt Service - As Reported
- 10 Maximum Annual Debt Service Coverage Ratio - As Reported
- 11 Days Cash on Hand - As Reported
- 12 Required Days Cash on Hand - As Reported
- 13 ST Capital Lease Obligations
- 14 Total Future Value of Capital Leases
- 15 Maximum Annual Debt Service
- 16 Future Minimum Operating Leases
- 17 Contingent Liabilities
- 18 Total Commercial Paper
- 19 Notional Amount of Derivatives/Swaps/Variable Debt
- 20 Senior Lien Debt Service
- 21 Senior Lien Coverage Ratio
- 22 Revenue Available Subordinate Lien Debt Service
- 23 Subordinate Lien Debt Service
- 24 Subordinate Lien Coverage Ratio
- 25 Days Cash on Hand
- 26 Required Days Cash on Hand - As Reported

## APPENDIX B: ECONOMIC SERIES

| Economic coverage includes:  | A. Economic Series   | Frequency | Reporting Level | Shown in App | A. Economic Series, Cont'd  | Frequency | Reporting Level | Shown in App |
|------------------------------|--|-----------|-----------------|--------------|---|-----------|-----------------|--------------|
| 3,200 counties               | 1 BEA Population   | Annual    | N, S, M, C      | *            | 49 Average Weekly Wages, Private (Transportation and warehousing)                       | Quarterly | N, S, M, C      | *            |
| 300+ MSAs                    | 2 GDP in current dollars   | Annual    | N, S, M, C      | *            | 50 Average Weekly Wages, Private (Information)  | Quarterly | N, S, M, C      | *            |
| 50 states & DC               | 3 Real GDP in chained dollars  | Annual    | N, S, M, C      | *            | 51 Average Weekly Wages, Private (Finance and insurance)                                | Quarterly | N, S, M, C      | *            |
|                              | 4 Per capita real GDP  | Annual    | N, S, M, C      | *            | 52 Average Weekly Wages, Private (Real estate and rental and leasing)                   | Quarterly | N, S, M, C      | *            |
| <b>Reporting Level Key</b>   | 5 Gross operating surplus  | Annual    | N, S, M, C      | *            | 53 Average Weekly Wages, Private (Professional and technical services)                  | Quarterly | N, S, M, C      | *            |
| N National                   | 6 Personal income  | Annual    | N, S, M, C      | *            | 54 Average Weekly Wages, Private (Management of companies and enterprises)              | Quarterly | N, S, M, C      | *            |
| S State & Territories        | 7 Nonfarm personal income  | Annual    | N, S, M, C      | *            | 55 Average Weekly Wages, Private (Administrative and waste services)                    | Quarterly | N, S, M, C      | *            |
| M MSA, Micro SA, Combined SA | 8 Farm income  | Annual    | N, S, M, C      | *            | 56 Average Weekly Wages, Private (Educational services)                                 | Quarterly | N, S, M, C      | *            |
| C County                     | 9 Real personal income   | Annual    | N, S, M, C      | *            | 57 Average Weekly Wages, Private (Health care and social assistance)                    | Quarterly | N, S, M, C      | *            |
| SD School District           | 10 Disposable personal income  | Annual    | N, S, M, C      | *            | 58 Average Weekly Wages, Private (Arts, entertainment, and recreation)                  | Quarterly | N, S, M, C      | *            |
| PL Place (City/Town/Village) | 11 Per capita personal income  | Annual    | N, S, M, C      | *            | 59 Average Weekly Wages, Private (Accommodation and food services)                      | Quarterly | N, S, M, C      | *            |
|                              | 12 Real per capita personal income   | Annual    | N, S, M, C      | *            | 60 Average Weekly Wages, Private (Other services, except public administration)         | Quarterly | N, S, M, C      | *            |
|                              | 13 Per capita disposable personal income   | Annual    | N, S, M, C      | *            | 61 Average Weekly Wages, Private (Unclassified)   | Quarterly | N, S, M, C      | *            |
|                              | 14 Per capita dividends, interest, and rent                                      | Annual    | N, S, M, C      | *            | 62 Quarterly Contributions, Total Covered (Total, all industries)                       | Quarterly | N, S, M, C      | *            |
|                              | 15 Per capita net earnings   | Annual    | N, S, M, C      | *            | 63 Quarterly Contributions, Total Government (Total, all industries)                    | Quarterly | N, S, M, C      | *            |
|                              | 16 Per capita retirement and other   | Annual    | N, S, M, C      | *            | 64 Quarterly Contributions, Private (Total, all industries)                             | Quarterly | N, S, M, C      | *            |
|                              | 17 Per capita unemployment insurance compensation                                | Annual    | N, S, M, C      | *            | 65 Quarterly Contributions, Private (Agriculture, forestry, fishing and hunting)        | Quarterly | N, S, M, C      | *            |
|                              | 18 Earnings by place of work   | Annual    | N, S, M, C      | *            | 66 Quarterly Contributions, Private (Mining, quarrying, and oil and gas extraction)     | Quarterly | N, S, M, C      | *            |
|                              | 19 Net earnings by place of residence  | Annual    | N, S, M, C      | *            | 67 Quarterly Contributions, Private (Utilities)   | Quarterly | N, S, M, C      | *            |
|                              | 20 Wages and salaries  | Annual    | N, S, M, C      | *            | 68 Quarterly Contributions, Private (Construction)                                      | Quarterly | N, S, M, C      | *            |
|                              | 21 Supplements to wages and salaries   | Annual    | N, S, M, C      | *            | 69 Quarterly Contributions, Private (Manufacturing)                                     | Quarterly | N, S, M, C      | *            |
|                              | 22 Proprietors' income   | Annual    | N, S, M, C      | *            | 70 Quarterly Contributions, Private (Wholesale trade)                                   | Quarterly | N, S, M, C      | *            |
|                              | 23 Total employment  | Annual    | N, S, M, C      | *            | 71 Quarterly Contributions, Private (Retail trade)                                      | Quarterly | N, S, M, C      | *            |
|                              | 24 Wage and salary employment  | Annual    | N, S, M, C      | *            | 72 Quarterly Contributions, Private (Transportation and warehousing)                    | Quarterly | N, S, M, C      | *            |
|                              | 25 Proprietors employment  | Annual    | N, S, M, C      | *            | 73 Quarterly Contributions, Private (Information)                                       | Quarterly | N, S, M, C      | *            |
|                              | 26 Average wages and salaries  | Annual    | N, S, M, C      | *            | 74 Quarterly Contributions, Private (Finance and insurance)                             | Quarterly | N, S, M, C      | *            |
|                              | 27 Average earnings per job  | Annual    | N, S, M, C      | *            | 75 Quarterly Contributions, Private (Real estate and rental and leasing)                | Quarterly | N, S, M, C      | *            |
|                              | 28 Average compensation per job  | Annual    | N, S, M, C      | *            | 76 Quarterly Contributions, Private (Professional and technical services)               | Quarterly | N, S, M, C      | *            |
|                              | 29 Implicit regional price deflator  | Annual    | N, S, M, C      | *            | 77 Quarterly Contributions, Private (Management of companies and enterprises)           | Quarterly | N, S, M, C      | *            |
|                              | 30 RPPs: All items   | Annual    | N, S, M, C      | *            | 78 Quarterly Contributions, Private (Administrative and waste services)                 | Quarterly | N, S, M, C      | *            |
|                              | 31 Labor Force (Not Seasonally Adjusted)   | Monthly   | N, S, M, C      | *            | 79 Quarterly Contributions, Private (Educational services)                              | Quarterly | N, S, M, C      | *            |
|                              | 32 Labor Force (Seasonally Adjusted)   | Monthly   | N, S, M, C      | *            | 80 Quarterly Contributions, Private (Health care and social assistance)                 | Quarterly | N, S, M, C      | *            |
|                              | 33 Employment (Not Seasonally Adjusted)  | Monthly   | N, S, M, C      | *            | 81 Quarterly Contributions, Private (Arts, entertainment, and recreation)               | Quarterly | N, S, M, C      | *            |
|                              | 34 Employment (Seasonally Adjusted)  | Monthly   | N, S, M, C      | *            | 82 Quarterly Contributions, Private (Accommodation and food services)                   | Quarterly | N, S, M, C      | *            |
|                              | 35 Unemployment (Not Seasonally Adjusted)  | Monthly   | N, S, M, C      | *            | 83 Quarterly Contributions, Private (Other services, except public administration)      | Quarterly | N, S, M, C      | *            |
|                              | 36 Unemployment (Seasonally Adjusted)  | Monthly   | N, S, M, C      | *            | 84 Quarterly Contributions, Private (Unclassified)                                      | Quarterly | N, S, M, C      | *            |
|                              | 37 Unemployment Rate (Not Seasonally Adjusted)                                   | Monthly   | N, S, M, C      | *            | 85 Quarterly Established Count, Total Covered (Total, all industries)                   | Quarterly | N, S, M, C      | *            |
|                              | 38 Unemployment Rate (Seasonally Adjusted)                                       | Monthly   | N, S, M, C      | *            | 86 Quarterly Established Count, Total Government (Total, all industries)                | Quarterly | N, S, M, C      | *            |
|                              | 39 Average Weekly Wages, Total Covered (Total, all industries)                   | Quarterly | N, S, M, C      | *            | 87 Quarterly Established Count, Private (Total, all industries)                         | Quarterly | N, S, M, C      | *            |
|                              | 40 Average Weekly Wages, Total Government (Total, all industries)                | Quarterly | N, S, M, C      | *            | 88 Quarterly Established Count, Private (Agriculture, forestry, fishing and hunting)    | Quarterly | N, S, M, C      | *            |
|                              | 41 Average Weekly Wages, Private (Total, all industries)                         | Quarterly | N, S, M, C      | *            | 89 Quarterly Established Count, Private (Mining, quarrying, and oil and gas extraction) | Quarterly | N, S, M, C      | *            |
|                              | 42 Average Weekly Wages, Private (Agriculture, forestry, fishing and hunting)    | Quarterly | N, S, M, C      | *            | 90 Quarterly Established Count, Private (Utilities)                                     | Quarterly | N, S, M, C      | *            |
|                              | 43 Average Weekly Wages, Private (Mining, quarrying, and oil and gas extraction) | Quarterly | N, S, M, C      | *            | 91 Quarterly Established Count, Private (Construction)                                  | Quarterly | N, S, M, C      | *            |
|                              | 44 Average Weekly Wages, Private (Utilities)                                     | Quarterly | N, S, M, C      | *            | 92 Quarterly Established Count, Private (Manufacturing)                                 | Quarterly | N, S, M, C      | *            |
|                              | 45 Average Weekly Wages, Private (Construction)                                  | Quarterly | N, S, M, C      | *            | 93 Quarterly Established Count, Private (Wholesale trade)                               | Quarterly | N, S, M, C      | *            |
|                              | 46 Average Weekly Wages, Private (Manufacturing)                                 | Quarterly | N, S, M, C      | *            | 94 Quarterly Established Count, Private (Retail trade)                                  | Quarterly | N, S, M, C      | *            |
|                              | 47 Average Weekly Wages, Private (Wholesale trade)                               | Quarterly | N, S, M, C      | *            | 95 Quarterly Established Count, Private (Transportation and warehousing)                | Quarterly | N, S, M, C      | *            |
|                              | 48 Average Weekly Wages, Private (Retail trade)                                  | Quarterly | N, S, M, C      | *            | 96 Quarterly Established Count, Private (Information)                                   | Quarterly | N, S, M, C      | *            |

\* Denotes data points that appear within the application. The others are available upon request via support@munitrisk.com

APPENDIX B: ECONOMIC SERIES

| Economic coverage includes:  | A. Economic Series, Cont'd  | Frequency | Reporting Level | Shown in App | A. Economic Series, Cont'd  | Frequency | Reporting Level | Shown in App |
|------------------------------|---|-----------|-----------------|--------------|---|-----------|-----------------|--------------|
| 3,200 counties               | 97 Quarterly Established Count, Private (Finance and insurance)                         | Quarterly | N, S, M, C      | *            | 145 Total Quarterly Wages, Private (Professional and technical services)          | Quarterly | N, S, M, C      | *            |
| 300+ MSAs                    | 98 Quarterly Established Count, Private (Real estate and rental and leasing)            | Quarterly | N, S, M, C      | *            | 146 Total Quarterly Wages, Private (Management of companies and enterprises)      | Quarterly | N, S, M, C      | *            |
| 50 states & DC               | 99 Quarterly Established Count, Private (Professional and technical services)           | Quarterly | N, S, M, C      | *            | 147 Total Quarterly Wages, Private (Administrative and waste services)            | Quarterly | N, S, M, C      | *            |
|                              | 100 Quarterly Established Count, Private (Management of companies and enterprises)      | Quarterly | N, S, M, C      | *            | 148 Total Quarterly Wages, Private (Educational services)                         | Quarterly | N, S, M, C      | *            |
| <b>Reporting Level Key</b>   | 101 Quarterly Established Count, Private (Administrative and waste services)            | Quarterly | N, S, M, C      | *            | 149 Total Quarterly Wages, Private (Health care and social assistance)            | Quarterly | N, S, M, C      | *            |
| N National                   | 102 Quarterly Established Count, Private (Educational services)                         | Quarterly | N, S, M, C      | *            | 150 Total Quarterly Wages, Private (Arts, entertainment, and recreation)          | Quarterly | N, S, M, C      | *            |
| S State & Territories        | 103 Quarterly Established Count, Private (Health care and social assistance)            | Quarterly | N, S, M, C      | *            | 151 Total Quarterly Wages, Private (Accommodation and food services)              | Quarterly | N, S, M, C      | *            |
| M MSA, Micro SA, Combined SA | 104 Quarterly Established Count, Private (Arts, entertainment, and recreation)          | Quarterly | N, S, M, C      | *            | 152 Total Quarterly Wages, Private (Other services, except public administration) | Quarterly | N, S, M, C      | *            |
| C County                     | 105 Quarterly Established Count, Private (Accommodation and food services)              | Quarterly | N, S, M, C      | *            | 153 Total Quarterly Wages, Private (Unclassified)                                 | Quarterly | N, S, M, C      | *            |
| SD School District           | 106 Quarterly Established Count, Private (Other services, except public administration) | Quarterly | N, S, M, C      | *            | 154 CPI - All Urban Consumers (All items)   | Monthly   | N               | *            |
| PL Place (City/Town/Village) | 107 Quarterly Established Count, Private (Unclassified)                                 | Quarterly | N, S, M, C      | *            | 155 CPI - All Urban Consumers (Food and beverages)                                | Monthly   | N               | *            |
|                              | 108 Taxable Quarterly Wages, Total Covered (Total, all industries)                      | Quarterly | N, S, M, C      | *            | 156 CPI - All Urban Consumers (Recreation)  | Monthly   | N               | *            |
|                              | 109 Taxable Quarterly Wages, Total Government (Total, all industries)                   | Quarterly | N, S, M, C      | *            | 157 CPI - All Urban Consumers (Transportation)                                    | Monthly   | N               | *            |
|                              | 110 Taxable Quarterly Wages, Private (Total, all industries)                            | Quarterly | N, S, M, C      | *            | 158 CPI - All Urban Consumers (Apparel)   | Monthly   | N               | *            |
|                              | 111 Taxable Quarterly Wages, Private (Agriculture, forestry, fishing and hunting)       | Quarterly | N, S, M, C      | *            | 159 CPI - All Urban Consumers (Commodities)                                       | Monthly   | N               | *            |
|                              | 112 Taxable Quarterly Wages, Private (Mining, quarrying, and oil and gas extraction)    | Quarterly | N, S, M, C      | *            | 160 CPI - All Urban Consumers (Education and communication)                       | Monthly   | N               | *            |
|                              | 113 Taxable Quarterly Wages, Private (Utilities)  | Quarterly | N, S, M, C      | *            | 161 CPI - All Urban Consumers (Housing)   | Monthly   | N               | *            |
|                              | 114 Taxable Quarterly Wages, Private (Construction)                                     | Quarterly | N, S, M, C      | *            | 162 CPI - All Urban Consumers (Other goods and services)                          | Monthly   | N               | *            |
|                              | 115 Taxable Quarterly Wages, Private (Manufacturing)                                    | Quarterly | N, S, M, C      | *            | 163 CPI - All Urban Consumers (Medical care)                                      | Monthly   | N               | *            |
|                              | 116 Taxable Quarterly Wages, Private (Wholesale trade)                                  | Quarterly | N, S, M, C      | *            | 164 S&P/CoreLogic/Case-Shiller AZ-Phoenix Home Price Index                        | Monthly   | M               | *            |
|                              | 117 Taxable Quarterly Wages, Private (Retail trade)                                     | Quarterly | N, S, M, C      | *            | 165 S&P/CoreLogic/ Case-Shiller CA-Los Angeles Home Price Index                   | Monthly   | M               | *            |
|                              | 118 Taxable Quarterly Wages, Private (Transportation and warehousing)                   | Quarterly | N, S, M, C      | *            | 166 S&P/CoreLogic/ Case-Shiller CA-San Diego Home Price Index                     | Monthly   | M               | *            |
|                              | 119 Taxable Quarterly Wages, Private (Information)                                      | Quarterly | N, S, M, C      | *            | 167 S&P/CoreLogic/ Case-Shiller CA-San Francisco Home Price Index                 | Monthly   | M               | *            |
|                              | 120 Taxable Quarterly Wages, Private (Finance and insurance)                            | Quarterly | N, S, M, C      | *            | 168 S&P/CoreLogic/Case-Shiller CO-Denver Home Price Index                         | Monthly   | M               | *            |
|                              | 121 Taxable Quarterly Wages, Private (Real estate and rental and leasing)               | Quarterly | N, S, M, C      | *            | 169 S&P/CoreLogic/ Case-Shiller DC-Washington Home Price Index                    | Monthly   | M               | *            |
|                              | 122 Taxable Quarterly Wages, Private (Professional and technical services)              | Quarterly | N, S, M, C      | *            | 170 S&P/CoreLogic/ Case-Shiller FL-Miami Home Price Index                         | Monthly   | M               | *            |
|                              | 123 Taxable Quarterly Wages, Private (Management of companies and enterprises)          | Quarterly | N, S, M, C      | *            | 171 S&P/CoreLogic/ Case-Shiller FL-Tampa Home Price Index                         | Monthly   | M               | *            |
|                              | 124 Taxable Quarterly Wages, Private (Administrative and waste services)                | Quarterly | N, S, M, C      | *            | 172 S&P/CoreLogic/ Case-Shiller GA-Atlanta Home Price Index                       | Monthly   | M               | *            |
|                              | 125 Taxable Quarterly Wages, Private (Educational services)                             | Quarterly | N, S, M, C      | *            | 173 S&P/CoreLogic/ Case-Shiller IL-Chicago Home Price Index                       | Monthly   | M               | *            |
|                              | 126 Taxable Quarterly Wages, Private (Health care and social assistance)                | Quarterly | N, S, M, C      | *            | 174 S&P/CoreLogic/ Case-Shiller MA-Boston Home Price Index                        | Monthly   | M               | *            |
|                              | 127 Taxable Quarterly Wages, Private (Arts, entertainment, and recreation)              | Quarterly | N, S, M, C      | *            | 175 S&P/CoreLogic/ Case-Shiller MI-Detroit Home Price Index                       | Monthly   | M               | *            |
|                              | 128 Taxable Quarterly Wages, Private (Accommodation and food services)                  | Quarterly | N, S, M, C      | *            | 176 S&P/CoreLogic/ Case-Shiller MN-Minneapolis Home Price Index                   | Monthly   | M               | *            |
|                              | 129 Taxable Quarterly Wages, Private (Other services, except public administration)     | Quarterly | N, S, M, C      | *            | 177 S&P/CoreLogic/ Case-Shiller NC-Charlotte Home Price Index                     | Monthly   | M               | *            |
|                              | 130 Taxable Quarterly Wages, Private (Unclassified)                                     | Quarterly | N, S, M, C      | *            | 178 S&P/CoreLogic/ Case-Shiller NV-Las Vegas Home Price Index                     | Monthly   | M               | *            |
|                              | 131 Total Quarterly Wages, Total Covered (Total, all industries)                        | Quarterly | N, S, M, C      | *            | 179 S&P/CoreLogic/ Case-Shiller NY-New York Home Price Index                      | Monthly   | M               | *            |
|                              | 132 Total Quarterly Wages, Total Government (Total, all industries)                     | Quarterly | N, S, M, C      | *            | 180 S&P/CoreLogic/ Case-Shiller OH-Cleveland Home Price Index                     | Monthly   | M               | *            |
|                              | 133 Total Quarterly Wages, Private (Total, all industries)                              | Quarterly | N, S, M, C      | *            | 181 S&P/CoreLogic/ Case-Shiller OR-Portland Home Price Index                      | Monthly   | M               | *            |
|                              | 134 Total Quarterly Wages, Private (Agriculture, forestry, fishing and hunting)         | Quarterly | N, S, M, C      | *            | 182 S&P/CoreLogic/ Case-Shiller TX-Dallas Home Price Index                        | Monthly   | M               | *            |
|                              | 135 Total Quarterly Wages, Private (Mining, quarrying, and oil and gas extraction)      | Quarterly | N, S, M, C      | *            | 183 S&P/CoreLogic/ Case-Shiller WA-Seattle Home Price Index                       | Monthly   | M               | *            |
|                              | 136 Total Quarterly Wages, Private (Utilities)  | Quarterly | N, S, M, C      | *            |   |           |                 |              |
|                              | 137 Total Quarterly Wages, Private (Construction)                                       | Quarterly | N, S, M, C      | *            |   |           |                 |              |
|                              | 138 Total Quarterly Wages, Private (Manufacturing)                                      | Quarterly | N, S, M, C      | *            |   |           |                 |              |
|                              | 139 Total Quarterly Wages, Private (Wholesale trade)                                    | Quarterly | N, S, M, C      | *            |   |           |                 |              |
|                              | 140 Total Quarterly Wages, Private (Retail trade)                                       | Quarterly | N, S, M, C      | *            |   |           |                 |              |
|                              | 141 Total Quarterly Wages, Private (Transportation and warehousing)                     | Quarterly | N, S, M, C      | *            |   |           |                 |              |
|                              | 142 Total Quarterly Wages, Private (Information)  | Quarterly | N, S, M, C      | *            |   |           |                 |              |
|                              | 143 Total Quarterly Wages, Private (Finance and insurance)                              | Quarterly | N, S, M, C      | *            |   |           |                 |              |
|                              | 144 Total Quarterly Wages, Private (Real estate and rental and leasing)                 | Quarterly | N, S, M, C      | *            |   |           |                 |              |

\* Denotes data points that appear within the application. The others are available upon request via support@munitrisk.com



APPENDIX C. DEMOGRAPHIC SERIES

| Demographic coverage includes: | A. Demographic Series   | Frequency | Reporting Level    | Shown in App | B. Housing_By Geographic Region                                  | Frequency | Reporting Level | Shown in App |
|--------------------------------|---|-----------|--------------------|--------------|--|-----------|-----------------|--------------|
| 10,000+ cities/towns/villages  | 1 Population Est. by Race [ACS 1 Yr & 5 Yr]                                     | Annual    | N, S, M, C, SD, PL | *            | 1 Median List Price (\$)   | Monthly   | N, S, M, C      | *            |
| 10,000+ school districts       | 2 Population Est. by Sex And Age [ACS 1 Yr & 5 Yr]                              | Annual    | N, S, M, C, SD, PL | *            | 2 Median List Price / sq. ft. (\$)                               | Monthly   | N, S, M, C      | *            |
| 3,200+ counties/boroughs       | 3 Population Est. by School Enrollment [ACS 1 Yr & 5 Yr]                        | Annual    | N, S, M, C, SD, PL | *            | 3 Median Sale Price (\$)   | Monthly   | N, S, M, C      | *            |
| 1,000+ MSAs / μSA / CSAs       | 4 Population Est. by Employment Status [ACS 1 Yr & 5 Yr]                        | Annual    | N, S, M, C, SD, PL | *            | 4 Median Sale Price / sq. ft. (\$)                               | Monthly   | N, S, M, C      | *            |
|                                | 5 Population Est. by Educational Attainment [ACS 1 Yr & 5 Yr]                   | Annual    | N, S, M, C, SD, PL | *            | 5 Homes Sold for gain (%)  | Monthly   | N, S, M, C      | *            |
|                                | 6 Health Insurance Coverage Est. [ACS 1 Yr & 5 Yr]                              | Annual    | N, S, M, C, SD, PL | *            | 6 Homes Sold for loss (%)  | Monthly   | N, S, M, C      | *            |
| <b>Reporting Level Key</b>     | 7 Population Est. by Marital Status [ACS 1 Yr & 5 Yr]                           | Annual    | N, S, M, C, SD, PL | *            | 7 Homes Sold in the past year (%)                                | Monthly   | N, S, M, C      | *            |
| N National                     | 8 Population Est. by Relationship Type [ACS 1 Yr & 5 Yr]                        | Annual    | N, S, M, C, SD, PL | *            | 8 Sale-to-list price ratio                                       | Monthly   | N, S, M, C      | *            |
| S State & Territories          | 9 Population Est. by Ancestry [ACS 1 Yr & 5 Yr]                                 | Annual    | N, S, M, C, SD, PL | *            | 9 Price to rent ratio  | Monthly   | N, S, M, C      | *            |
| M MSA, Micro SA, Combined SA   | 10 Population Est. by Hispanic Or Latino And Race [ACS 1 Yr & 5 Yr]             | Annual    | N, S, M, C, SD, PL | *            | 10 Median price cut (%)  | Monthly   | N, S, M, C      | *            |
| C County                       | 11 Population Est. by Language Spoken At Home [ACS 1 Yr & 5 Yr]                 | Annual    | N, S, M, C, SD, PL | *            | 11 Homes decreasing in value (%)                                 | Monthly   | N, S, M, C      | *            |
| SD School District             | 12 Population Est. by Place Of Birth [ACS 1 Yr & 5 Yr]                          | Annual    | N, S, M, C, SD, PL | *            | 12 Homes increasing in value (%)                                 | Monthly   | N, S, M, C      | *            |
| PL Place (City/Town/Village)   | 13 Population Est. by U.S. Citizenship Status [ACS 1 Yr & 5 Yr]                 | Annual    | N, S, M, C, SD, PL | *            | 13 Listings with price cut (%)                                   | Monthly   | N, S, M, C      | *            |
|                                | 14 Population Est. by World Region Of Birth Of Foreign Born [ACS 1 Yr & 5 Yr]   | Annual    | N, S, M, C, SD, PL | *            | 14 Homes foreclosed (out of 10k)                                 | Monthly   | N, S, M, C      | *            |
|                                | 15 Population Est. by Year Of Entry [ACS 1 Yr & 5 Yr]                           | Annual    | N, S, M, C, SD, PL | *            | 15 Foreclosure re-sales (%)                                      | Monthly   | N, S, M, C      | *            |
|                                | 16 Population Est. by Residence Period [ACS 1 Yr & 5 Yr]                        | Annual    | N, S, M, C, SD, PL | *            | 16 Median Home Value - 1 Bedroom Homes                           | Monthly   | N, S, M, C      | *            |
|                                | 17 Total Housing Unit Est. [ACS 1 Yr & 5 Yr]                                    | Annual    | N, S, M, C, SD, PL | *            | 17 Median Home Value - 2 Bedroom Homes                           | Monthly   | N, S, M, C      | *            |
|                                | 18 Household Est. by Family Type [ACS 1 Yr & 5 Yr]                              | Annual    | N, S, M, C, SD, PL | *            | 18 Median Home Value - 3 Bedroom Homes                           | Monthly   | N, S, M, C      | *            |
|                                | 19 Household Income & Benefits Est. [ACS 1 Yr & 5 Yr]                           | Annual    | N, S, M, C, SD, PL | *            | 19 Median Home Value - 4 Bedroom Homes                           | Monthly   | N, S, M, C      | *            |
|                                | 20 Poverty Level Est. [ACS 1 Yr & 5 Yr]   | Annual    | N, S, M, C, SD, PL | *            | 20 Median Home Value - 5+ Bedroom Homes                          | Monthly   | N, S, M, C      | *            |
|                                | 21 Household Unit Est. by Value [ACS 1 Yr & 5 Yr]                               | Annual    | N, S, M, C, SD, PL | *            | 21 Median Home Value - All Homes (SFR, Condo/Co-op)              | Monthly   | N, S, M, C      | *            |
|                                | 22 Selected Monthly Owner Costs % Household Income (Smocapi) [ACS 1 Yr & 5 Yr]  | Annual    | N, S, M, C, SD, PL | *            | 22 Median Home Value - Bottom Tier                               | Monthly   | N, S, M, C      | *            |
|                                | 23 Employment Est. by Industry Of Work [ACS 1 Yr & 5 Yr]                        | Annual    | N, S, M, C, SD, PL | *            | 23 Median Home Value - Condo/Co-op                               | Monthly   | N, S, M, C      | *            |
|                                | 24 Employment Est. by Occupation [ACS 1 Yr & 5 Yr]                              | Annual    | N, S, M, C, SD, PL | *            | 24 Median Home Value - Median ZHVl per sq. ft. (\$)              | Monthly   | N, S, M, C      | *            |
|                                | 25 Employment Est. by Class of Worker [ACS 1 Yr & 5 Yr]                         | Annual    | N, S, M, C, SD, PL | *            | 25 Median Home Value - Middle Tier                               | Monthly   | N, S, M, C      | *            |
|                                | 26 Population Commuting to Work [ACS 1 Yr & 5 Yr]                               | Annual    | N, S, M, C, SD, PL | *            | 26 Median Home Value - Single Family Residences                  | Monthly   | N, S, M, C      | *            |
|                                | 27 Household Unit Est. by Gross Rent [ACS 1 Yr & 5 Yr]                          | Annual    | N, S, M, C, SD, PL | *            | 27 Median Home Value - Top Tier                                  | Monthly   | N, S, M, C      | *            |
|                                | 28 Household Unit Est. by Mortgage Status [ACS 1 Yr & 5 Yr]                     | Annual    | N, S, M, C, SD, PL | *            | 28 Median - Rent All Homes (SFR, Condo/Co-op)                    | Monthly   | N, S, M, C      | *            |
|                                | 29 Gross Rent As A Percentage Of Household Income (Grapi) [ACS 1 Yr & 5 Yr]     | Annual    | N, S, M, C, SD, PL | *            | 29 Median Rent List Price (\$)                                   | Monthly   | N, S, M, C      | *            |
|                                | 30 Household Unit Est. by No. of Rooms [ACS 1 Yr & 5 Yr]                        | Annual    | N, S, M, C, SD, PL | *            | 30 Median Rent per sq. ft. (\$)                                  | Monthly   | N, S, M, C      | *            |
|                                | 31 Household Unit Est. by No. of Bedrooms [ACS 1 Yr & 5 Yr]                     | Annual    | N, S, M, C, SD, PL | *            |  |           |                 |              |
|                                | 32 Housing Occupancy Est. [ACS 1 Yr & 5 Yr]                                     | Annual    | N, S, M, C, SD, PL | *            | <b>C. CDC_County Health Outcomes &amp; Factors (Rankings)</b>    |           |                 |              |
|                                | 33 Household Unit Est. by Occupant Density [ACS 1 Yr & 5 Yr]                    | Annual    | N, S, M, C, SD, PL | *            | 1 County Health Outcomes Rank                                    | Annual    | C               |              |
|                                | 34 Household Unit Est. by Selected Monthly Owner Costs (Smoc) [ACS 1 Yr & 5 Yr] | Annual    | N, S, M, C, SD, PL | *            | 2 County Health Outcomes Quartile                                | Annual    | C               |              |
|                                | 35 Household Unit Est. by Amenities [ACS 1 Yr & 5 Yr]                           | Annual    | N, S, M, C, SD, PL | *            | 3 County Health Outcomes Z-Score                                 | Annual    | C               |              |
|                                | 36 Household Unit Est. by Heating Fuel Type [ACS 1 Yr & 5 Yr]                   | Annual    | N, S, M, C, SD, PL | *            | 4 County Health Factors Rank                                     | Annual    | C               |              |
|                                | 37 Household Unit Est. by Move-in Date [ACS 1 Yr & 5 Yr]                        | Annual    | N, S, M, C, SD, PL | *            | 5 County Health Factors Quartile                                 | Annual    | C               |              |
|                                | 38 Household Unit Est. by Structure [ACS 1 Yr & 5 Yr]                           | Annual    | N, S, M, C, SD, PL | *            | 6 County Health Factors Z-Score                                  | Annual    | C               |              |
|                                | 39 Household Unit Est. by Tenure [ACS 1 Yr & 5 Yr]                              | Annual    | N, S, M, C, SD, PL | *            |  |           |                 |              |
|                                | 40 Household Unit Est. by Vehicles Available [ACS 1 Yr & 5 Yr]                  | Annual    | N, S, M, C, SD, PL | *            | <b>D. CDC_County Health Outcomes &amp; Factors (SubRankings)</b> |           |                 |              |
|                                | 41 Household Est. by Computers And Internet Use [ACS 1 Yr & 5 Yr]               | Annual    | N, S, M, C, SD, PL | *            | 1 Mortality Rank   | Annual    | C               |              |
|                                | 42 Household Unit Est. by Date [ACS 1 Yr & 5 Yr]                                | Annual    | N, S, M, C, SD, PL | *            | 2 Mortality Quartile   | Annual    | C               |              |
|                                | 43 Veteran Population Est. [ACS 1 Yr & 5 Yr]                                    | Annual    | N, S, M, C, SD, PL | *            | 3 Morbidity Rank   | Annual    | C               |              |
|                                | 44 Disability Population Est. [ACS 1 Yr & 5 Yr]                                 | Annual    | N, S, M, C, SD, PL | *            | 4 Morbidity Quartile   | Annual    | C               |              |
|                                | 45 Female Population Est. by Fertility [ACS 1 Yr & 5 Yr]                        | Annual    | N, S, M, C, SD, PL | *            | 5 Health Behaviors Rank  | Annual    | C               |              |
|                                | 46 Grandparent Population Est. [ACS 1 Yr & 5 Yr]                                | Annual    | N, S, M, C, SD, PL | *            | 6 Health Behaviors Quartile                                      | Annual    | C               |              |
|                                |   |           |                    |              | 7 Clinical Care Rank   | Annual    | C               |              |
|                                |   |           |                    |              | 8 Clinical Care Quartile   | Annual    | C               |              |

\* Denotes data points that appear within the application. The others are available upon request via support@munitrisk.com

APPENDIX C: DEMOGRAPHIC SERIES

| Demographic coverage includes:          | D. CDC County Health Outcomes & Factors (SubRankings), Cont'd                   | Frequency | Reporting Level | Shown in App | E. CDC County_Ranked Measure (Underlying) Data, Cont'd              | Frequency | Reporting Level | Shown in App |
|---|---|-----------|-----------------|--------------|---|-----------|-----------------|--------------|
| 10,000 plus cities/towns/villages       | 9 Social & Economic Factors Rank  | Annual    | C               |              | 39 Air pollution Data   | Annual    | C               |              |
| 10,000 plus school districts            | 10 Social & Economic Factors Quartile   | Annual    | C               |              | 40 Pollution Monitoring Days  | Annual    | C               |              |
| 3,200+ counties/boroughs                | 11 Physical Environment Rank  | Annual    | C               |              | 41 Average Daily PM2.5  | Annual    | C               |              |
| 1,000+ MSAs/CSA/MicroSAs, States and US | 12 Physical Environment Quartile  | Annual    | C               |              | 42 Air pollution-ozone days   | Annual    | C               |              |
|   | 13 Length of Life Rank  | Annual    | C               |              | 43 Access to healthy foods  | Annual    | C               |              |
|   | 14 Length of Life Quartile  | Annual    | C               |              | 44 Liquor store density   | Annual    | C               |              |
| <b>Reporting Level Key</b>              | 15 Quality of Life Rank   | Annual    | C               |              | 45 % Excessive Drinking   | Annual    | C               |              |
| N National                              | 16 Quality of Life Quartile   | Annual    | C               |              | 46 Pct Excessive Drinking   | Annual    | C               |              |
| S State & Territories                   |   |           |                 |              | 47 Previous Primary care physician data--used to calculate rankings | Annual    | C               |              |
| M MSA, Micro SA, Combined SA            |   |           |                 |              | 48 Mammography screening  | Annual    | C               |              |
| C County                                | <b>E. CDC County_Ranked Measure (Underlying) Data [Otherwise not under ACA]</b> |           |                 |              | 49 % Mammography  | Annual    | C               |              |
| SD School District                      | 1 Premature death   | Annual    | C               |              | 50 Pct Mammography  | Annual    | C               |              |
| PL Place (City/Town/Village)            | 2 Years of Potential Life Lost Rate   | Annual    | C               |              | 51 Some college   | Annual    | C               |              |
|   | 3 Poor or fair health   | Annual    | C               |              | 52 No of Some College   | Annual    | C               |              |
|   | 4 Poor physical health days   | Annual    | C               |              | 53 Pct Some College   | Annual    | C               |              |
|   | 5 Physically Unhealthy Days   | Annual    | C               |              | 54 % Some College   | Annual    | C               |              |
|   | 6 Poor mental health days   | Annual    | C               |              | 55 Access to recreational facilities                                | Annual    | C               |              |
|   | 7 Mentally Unhealthy Days   | Annual    | C               |              | 56 # Rec Facilities   | Annual    | C               |              |
|   | 8 Low birthweight   | Annual    | C               |              | 57 Rec Facility Rate  | Annual    | C               |              |
|   | 9 Adult smoking   | Annual    | C               |              | 58 Physical inactivity  | Annual    | C               |              |
|   | 10 Adult obesity  | Annual    | C               |              | 59 Pct Physically Inactive  | Annual    | C               |              |
|   | 11 Binge drinking   | Annual    | C               |              | 60 % Physically Inactive  | Annual    | C               |              |
|   | 12 Motor vehicle crash death rate   | Annual    | C               |              | 61 Uninsured  | Annual    | C               |              |
|   | 13 Sexually transmitted infections  | Annual    | C               |              | 62 No of Uninsured  | Annual    | C               |              |
|   | 14 Chlamydia Rate   | Annual    | C               |              | 63 Pct Uninsured  | Annual    | C               |              |
|   | 15 Teen Birth Rate  | Annual    | C               |              | 64 Primary care physicians  | Annual    | C               |              |
|   | 16 Uninsured adults   | Annual    | C               |              | 65 Dentist Rate   | Annual    | C               |              |
|   | 17 No of Primary Care Physicians  | Annual    | C               |              | 66 Drinking water violations  | Annual    | C               |              |
|   | 18 Primary Care Physicians Rate   | Annual    | C               |              | 67 Food environment index   | Annual    | C               |              |
|   | 19 Primary Care Physicians Ratio  | Annual    | C               |              | 68 Alcohol-impaired driving deaths                                  | Annual    | C               |              |
|   | 20 Preventable hospital stays   | Annual    | C               |              | 69 No of Alcohol-Impaired Driving Deaths                            | Annual    | C               |              |
|   | 21 No of Medicare Enrollees   | Annual    | C               |              | 70 No of Mental Health Providers                                    | Annual    | C               |              |
|   | 22 Preventable Hosp. Rate   | Annual    | C               |              | 71 No of Injury Deaths  | Annual    | C               |              |
|   | 23 Diabetic monitoring  | Annual    | C               |              | 72 No of Households with Severe Problems                            | Annual    | C               |              |
|   | 24 No of Diabetics  | Annual    | C               |              | 73 No of Diabetic   | Annual    | C               |              |
|   | 25 % Hospice Use  | Annual    | C               |              | 74 No of HIV Cases  | Annual    | C               |              |
|   | 26 High school graduation PRE 2014  | Annual    | C               |              | 75 Children eligible for free lunch                                 | Annual    | C               |              |
|   | 27 College degrees  | Annual    | C               |              | 76 Illiteracy Rate  | Annual    | C               |              |
|   | 28 Children in poverty  | Annual    | C               |              | 77 Homicides  | Annual    | C               |              |
|   | 29 Income inequality  | Annual    | C               |              | 78 Premature age-adjusted mortality                                 | Annual    | C               |              |
|   | 30 Income Ratio   | Annual    | C               |              | 79 Age-Adjusted Mortality   | Annual    | C               |              |
|   | 31 Inadequate social support  | Annual    | C               |              | 80 Child Mortality Rate   | Annual    | C               |              |
|   | 32 % No Social-Emotional Support  | Annual    | C               |              | 81 Infant Mortality Rate  | Annual    | C               |              |
|   | 33 Children in single-parent households   | Annual    | C               |              | 82 Uninsured children   | Annual    | C               |              |
|   | 34 Violent crime  | Annual    | C               |              | 83 Access to Parks  | Annual    | C               |              |
|   | 35 Annual Violent Crimes  | Annual    | C               |              | 84 Drug Poisoning Mortality Rate                                    | Annual    | C               |              |
|   | 36 Violent Crime Rate   | Annual    | C               |              |   |           |                 |              |
|   | 37 No of Violent Crimes   | Annual    | C               |              |   |           |                 |              |
|   | 38 Homicide rate  | Annual    | C               |              |   |           |                 |              |

\* Denotes data points that appear within the application. The others are available upon request via support@municrisk.com

APPENDIX D: SECTOR-SPECIFIC OPERATIONAL DATA FROM THIRD-PARTY DATA SOURCES (NOT THE OBLIGOR)

| Sector coverage includes: | A. American Hospital Association (AHA) Hospital-level Data | Frequency | Reporting Level | Shown in App | A. American Hospital Association (AHA) Hospital-level Data, Cont'd | Frequency | Reporting Level | Shown in App |
|---------------------------|--|-----------|-----------------|--------------|--|-----------|-----------------|--------------|
| Hospitals & Healthcare    | 1 Identification Number                                    | Annual    | Hospital        | *            | 49 Pediatric Intensive Care Beds                                   | Annual    | Hospital        | *            |
| Airports                  | 2 Region Code  | Annual    | Hospital        | *            | 50 Burn Care Beds  | Annual    | Hospital        | *            |
| Higher Education          | 3 Numeric Census State Code                                | Annual    | Hospital        | *            | 51 Other Intensive Care Beds                                       | Annual    | Hospital        | *            |
| School Districts          | 4 Hospital Number  | Annual    | Hospital        | *            | 52 Other Special Care Beds   | Annual    | Hospital        | *            |
|                           | 5 Beginning of Reporting Period                            | Annual    | Hospital        | *            | 53 Physical Rehabilitation Beds                                    | Annual    | Hospital        | *            |
|                           | 6 End of Reporting Period                                  | Annual    | Hospital        | *            | 54 Alcohol Drug Abuse Beds   | Annual    | Hospital        | *            |
|                           | 7 Days Open During Reporting Period                        | Annual    | Hospital        | *            | 55 Psychiatric Beds  | Annual    | Hospital        | *            |
|                           | 8 Beginning Date of Fiscal Year                            | Annual    | Hospital        | *            | 56 Skilled Nursing Beds  | Annual    | Hospital        | *            |
|                           | 9 Control Code   | Annual    | Hospital        | *            | 57 Intermediate Nursing Care Beds                                  | Annual    | Hospital        | *            |
|                           | 10 Service Code  | Annual    | Hospital        | *            | 58 Acute Long Term Care Beds                                       | Annual    | Hospital        | *            |
|                           | 11 Registered Hospital                                     | Annual    | Hospital        | *            | 59 Other Long Term Care Beds                                       | Annual    | Hospital        | *            |
|                           | 12 Care Type   | Annual    | Hospital        | *            | 60 Other Care Beds   | Annual    | Hospital        | *            |
|                           | 13 Hospital Name   | Annual    | Hospital        | *            | 61 Total Hospital Beds   | Annual    | Hospital        | *            |
|                           | 14 Hospital Street Address                                 | Annual    | Hospital        | *            | 62 Obstetric Unit Care Level                                       | Annual    | Hospital        | *            |
|                           | 15 City  | Annual    | Hospital        | *            | 63 Facility Expenses Excluding Bad Debt                            | Annual    | Hospital        | *            |
|                           | 16 Zip Code  | Annual    | Hospital        | *            | 64 Facility Expenses Including Bad Debt                            | Annual    | Hospital        | *            |
|                           | 17 Postal State Code                                       | Annual    | Hospital        | *            | 65 Nursing Home Expenses   | Annual    | Hospital        | *            |
|                           | 18 Community Hospital Code                                 | Annual    | Hospital        | *            | 66 Percent of Net Patient Revenue Capitated Basis                  | Annual    | Hospital        | *            |
|                           | 19 Bed Size Code   | Annual    | Hospital        | *            | 67 Pct of Net Patient Revenue Shared Risk Basis                    | Annual    | Hospital        | *            |
|                           | 20 System Member   | Annual    | Hospital        | *            | 68 Total Facility Payroll Expenses                                 | Annual    | Hospital        | *            |
|                           | 21 Group Purchasing Organization Name                      | Annual    | Hospital        | *            | 69 Total Facility Employee Benefits                                | Annual    | Hospital        | *            |
|                           | 22 Group Purchasing Organization City                      | Annual    | Hospital        | *            | 70 Hospital Unit Payroll Expenses                                  | Annual    | Hospital        | *            |
|                           | 23 Group Purchasing Organization State Code                | Annual    | Hospital        | *            | 71 Hospital Unit Employee Benefits                                 | Annual    | Hospital        | *            |
|                           | 24 Host Hospital City                                      | Annual    | Hospital        | *            | 72 Nursing Home Payroll Expenses                                   | Annual    | Hospital        | *            |
|                           | 25 Host Hospital State                                     | Annual    | Hospital        | *            | 73 Nursing Home Employee Benefits                                  | Annual    | Hospital        | *            |
|                           | 26 System Identifier                                       | Annual    | Hospital        | *            | 74 Licensed Beds Total Facility                                    | Annual    | Hospital        | *            |
|                           | 27 System Name   | Annual    | Hospital        | *            | 75 Facility Beds Set Up and Staffed                                | Annual    | Hospital        | *            |
|                           | 28 System Address  | Annual    | Hospital        | *            | 76 Total Facility Admissions                                       | Annual    | Hospital        | *            |
|                           | 29 System City   | Annual    | Hospital        | *            | 77 Facility Inpatient Days   | Annual    | Hospital        | *            |
|                           | 30 System State  | Annual    | Hospital        | *            | 78 Hospital Unit Admissions  | Annual    | Hospital        | *            |
|                           | 31 Medicare Provider Number                                | Annual    | Hospital        | *            | 79 Hospital Beds   | Annual    | Hospital        | *            |
|                           | 32 Lives Covered   | Annual    | Hospital        | *            | 80 Hospital Admissions   | Annual    | Hospital        | *            |
|                           | 33 Independent Practice Number of Physicians               | Annual    | Hospital        | *            | 81 Hospital Unit Inpatient Days                                    | Annual    | Hospital        | *            |
|                           | 34 Group Practice Number of Physicians                     | Annual    | Hospital        | *            | 82 Licensed Beds Total Long Term Care                              | Annual    | Hospital        | *            |
|                           | 35 Number of Open Physicians                               | Annual    | Hospital        | *            | 83 Nursing Home Beds Set Up and Staffed                            | Annual    | Hospital        | *            |
|                           | 36 Number of Closed Physicians                             | Annual    | Hospital        | *            | 84 Nursing Home Admissions   | Annual    | Hospital        | *            |
|                           | 37 Management Service Org Number of Physicians             | Annual    | Hospital        | *            | 85 Nursing Home Inpatient Days                                     | Annual    | Hospital        | *            |
|                           | 38 Number of Physicians Integrated Salary Model            | Annual    | Hospital        | *            | 86 Total Facility Medicare Discharges                              | Annual    | Hospital        | *            |
|                           | 39 Number of Physicians Equity Model                       | Annual    | Hospital        | *            | 87 Total Facility Medicare Days                                    | Annual    | Hospital        | *            |
|                           | 40 Number of Physicians Foundation                         | Annual    | Hospital        | *            | 88 Total Facility Medicaid Discharges                              | Annual    | Hospital        | *            |
|                           | 41 Number of Physicians Other                              | Annual    | Hospital        | *            | 89 Total Facility Medicaid Days                                    | Annual    | Hospital        | *            |
|                           | 42 Full Time Physicians and Dentists                       | Annual    | Hospital        | *            | 90 Hospital Unit Medicare Discharges                               | Annual    | Hospital        | *            |
|                           | 43 Adult Medical and Surgical Beds                         | Annual    | Hospital        | *            | 91 Hospital Unit Medicare Days                                     | Annual    | Hospital        | *            |
|                           | 44 Pediatric Medical and Surgical Beds                     | Annual    | Hospital        | *            | 92 Hospital Unit Medicaid Discharges                               | Annual    | Hospital        | *            |
|                           | 45 Obstetric Care Beds                                     | Annual    | Hospital        | *            | 93 Hospital Unit Medicaid Days                                     | Annual    | Hospital        | *            |
|                           | 46 Medical and Surgical Intensive Care Beds                | Annual    | Hospital        | *            | 94 Nursing Home Medicare Discharges                                | Annual    | Hospital        | *            |
|                           | 47 Cardiac Intensive Care beds                             | Annual    | Hospital        | *            | 95 Nursing Home Medicare Days                                      | Annual    | Hospital        | *            |
|                           | 48 Neonatal Intensive Care Beds                            | Annual    | Hospital        | *            | 96 Nursing Home Medicaid Discharges                                | Annual    | Hospital        | *            |
|                           | 49 Neonatal Intermediate Care Beds                         | Annual    | Hospital        | *            | 97 Nursing Home Medicaid Days                                      | Annual    | Hospital        | *            |

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APPENDIX D: SECTOR-SPECIFIC OPERATIONAL DATA FROM THIRD-PARTY DATA SOURCES (NOT THE OBLIGOR)

| Sector coverage includes:                              | A. American Hospital Association (AHA) Hospital-level Data, Cont'd |   |              |           | B. Hospital-level Healthcare Cost Report Information (HCRIS), Cont'd |   |        |          |   |
|--|--|---|--------------|-----------|--|---|--------|----------|---|
|  | Frequency  | Reporting Level                           | Shown in App | Frequency | Reporting Level  | Shown in App                                      |        |          |   |
| Hospitals & Healthcare                                 | 97   | Total Births                              | Annual       | Hospital  | *  | 31 ICU - Dir. Exp.                                | Annual | Hospital | * |
| Airports   | 98   | Inpatient Surgeries                       | Annual       | Hospital  | *  | 32 Coronary Care Unit - Dir. Exp.                 | Annual | Hospital | * |
| Higher Education                                       | 99   | Outpatient Surgeries                      | Annual       | Hospital  | *  | 33 Burn ICU - Dir. Exp.                           | Annual | Hospital | * |
| School Districts                                       | 100  | Total Surgeries                           | Annual       | Hospital  | *  | 34 Surgical ICU - Dir. Exp.                       | Annual | Hospital | * |
| <b>Data Sources include:</b>                           | 101  | Emergency Room Visits                     | Annual       | Hospital  | *  | 35 Other Special Care - Dir. Exp.                 | Annual | Hospital | * |
| American Hospital Association (AHA)                    | 102  | Other Outpatient Visits                   | Annual       | Hospital  | *  | 36 Subprovider - Inpatient Psych Facs - Dir. Exp. | Annual | Hospital | * |
| Integrated Postsecondary Education Data System (IPEDS) | 103  | Total Outpatient Visits                   | Annual       | Hospital  | *  | 37 Subprovider - Inpatient Rehab Facs - Dir. Exp. | Annual | Hospital | * |
| EDFacts  | 104  | Average Daily Census                      | Annual       | Hospital  | *  | 38 Subprovider - Dir. Exp.                        | Annual | Hospital | * |
| Department of Transportation (DOT)                     | 105  | Adjusted Admissions                       | Annual       | Hospital  | *  | 39 Nursery - Dir. Exp.                            | Annual | Hospital | * |
|  | 106  | Adjusted Patient Days                     | Annual       | Hospital  | *  | 40 Skilled Nursing Facility - Dir. Exp.           | Annual | Hospital | * |
|  | 107  | Adjusted Average Daily Census             | Annual       | Hospital  | *  | 41 Nursing Facility - Dir. Exp.                   | Annual | Hospital | * |
|  | 108  | Property Plant and Equipment at Cost      | Annual       | Hospital  | *  | 42 Other LT Care - Dir. Exp.                      | Annual | Hospital | * |
|  | 109  | Accumulated Depreciation                  | Annual       | Hospital  | *  | 43 Operating Room - Dir. Exp.                     | Annual | Hospital | * |
|  | 110  | Net Property Plant and Equipment          | Annual       | Hospital  | *  | 44 Recovery Room - Dir. Exp.                      | Annual | Hospital | * |
|  | 111  | Total Gross Square Feet of Physical Plant | Annual       | Hospital  | *  | 45 Labor Room and Delivery Room - Dir. Exp.       | Annual | Hospital | * |
|  | 112  | Total Capital Expenses                    | Annual       | Hospital  | *  | 46 Anesthesiology - Dir. Exp.                     | Annual | Hospital | * |
|  |  |   |              |           |  | 47 Radiology - Diagnostic - Dir. Exp.             | Annual | Hospital | * |
|  |  |   |              |           |  | 48 Radiology - Therapeutic - Dir. Exp.            | Annual | Hospital | * |
|  |  |   |              |           |  | 49 Radioisotope - Dir. Exp.                       | Annual | Hospital | * |
|  |  |   |              |           |  | 50 CT Scan - Dir. Exp.                            | Annual | Hospital | * |
|  |  |   |              |           |  | 51 MRI - Dir. Exp.                                | Annual | Hospital | * |
|  |  |   |              |           |  | 52 Cardiac Catheterization - Dir. Exp.            | Annual | Hospital | * |
|  |  |   |              |           |  | 53 Laboratory - Dir. Exp.                         | Annual | Hospital | * |
|  |  |   |              |           |  | 54 PBP Clinical Lab Services (Prog) Dir. Exp.     | Annual | Hospital | * |
|  |  |   |              |           |  | 55 Whole Blood & Pkd Red Blood Cells - Dir. Exp.  | Annual | Hospital | * |
|  |  |   |              |           |  | 56 Blood Storing Prcss & Transport - Dir. Exp.    | Annual | Hospital | * |
|  |  |   |              |           |  | 57 Intravenous Therapy - Dir. Exp.                | Annual | Hospital | * |
|  |  |   |              |           |  | 58 Respiratory Therapy - Dir. Exp.                | Annual | Hospital | * |
|  |  |   |              |           |  | 59 Physical Therapy - Dir. Exp.                   | Annual | Hospital | * |
|  |  |   |              |           |  | 60 Occupational Therapy - Dir. Exp.               | Annual | Hospital | * |
|  |  |   |              |           |  | 61 Speech Pathology - Dir. Exp.                   | Annual | Hospital | * |
|  |  |   |              |           |  | 62 Electrocardiology - Dir. Exp.                  | Annual | Hospital | * |
|  |  |   |              |           |  | 63 Electroencephalography - Dir. Exp.             | Annual | Hospital | * |
|  |  |   |              |           |  | 64 Medical Suppl Charged to Patients - Dir. Exp.  | Annual | Hospital | * |
|  |  |   |              |           |  | 65 ImpDev Charged to Patients - Dir. Exp.         | Annual | Hospital | * |
|  |  |   |              |           |  | 66 Drugs Charged to Patients - Dir. Exp.          | Annual | Hospital | * |
|  |  |   |              |           |  | 67 Renal Dialysis - Dir. Exp.                     | Annual | Hospital | * |
|  |  |   |              |           |  | 68 Ambulatory Surg Centers (NonDist) - Dir. Exp.  | Annual | Hospital | * |
|  |  |   |              |           |  | 69 Other Ancillary - Dir. Exp.                    | Annual | Hospital | * |
|  |  |   |              |           |  | 70 Rural Health Clinic - Dir. Exp.                | Annual | Hospital | * |
|  |  |   |              |           |  | 71 Federally Qualified Health Center - Dir. Exp.  | Annual | Hospital | * |
|  |  |   |              |           |  | 72 Clinic - Dir. Exp.                             | Annual | Hospital | * |
|  |  |   |              |           |  | 73 Emergency - Dir. Exp.                          | Annual | Hospital | * |
|  |  |   |              |           |  | 74 Observation Beds - Dir. Exp.                   | Annual | Hospital | * |
|  |  |   |              |           |  | 75 Other Outpatient Service - Dir. Exp.           | Annual | Hospital | * |
|  |  |   |              |           |  | 76 Home Program Dialysis - Dir. Exp.              | Annual | Hospital | * |
|  |  |   |              |           |  | 77 Ambulance Services - Dir. Exp.                 | Annual | Hospital | * |
|  |  |   |              |           |  | 78 Durable Medical Equipment Rented - Dir. Exp.   | Annual | Hospital | * |

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APPENDIX D: SECTOR-SPECIFIC OPERATIONAL DATA FROM THIRD-PARTY DATA SOURCES (NOT THE OBLIGOR)

| Sector coverage includes:                              | B. Hospital-level Healthcare Cost Report Information (HCRIS), Cont'd | Frequency | Reporting Level | Shown in App | B. Hospital-level Healthcare Cost Report Information (HCRIS), Cont'd | Frequency | Reporting Level | Shown in App |
|--|--|-----------|-----------------|--------------|--|-----------|-----------------|--------------|
| Hospitals & Healthcare                                 | 79 Durable Medical Equipment Sold - Dir. Exp.                        | Annual    | Hospital        | *            | 127 Major Movable Equipment  | Annual    | Hospital        | *            |
| Airports   | 80 Other Reimbursable - Dir. Exp.                                    | Annual    | Hospital        | *            | 128 Accum Depreciation Major Mov Equip                               | Annual    | Hospital        | *            |
| Higher Education                                       | 81 Outpatient Rehab Provider - Dir. Exp.                             | Annual    | Hospital        | *            | 129 Minor Equipment Depreciable                                      | Annual    | Hospital        | *            |
| School Districts                                       | 82 Int - Res Svc (Non App Teach Prog) - Dir. Exp.                    | Annual    | Hospital        | *            | 130 Accum Depreciation Minor Mov Equip                               | Annual    | Hospital        | *            |
|  | 83 Home Health Agency - Dir. Exp.                                    | Annual    | Hospital        | *            | 131 Health IT Designated Assets                                      | Annual    | Hospital        | *            |
| <b>Data Sources include:</b>                           | 84 Kidney Acquisition - Dir. Exp.                                    | Annual    | Hospital        | *            | 132 Accumulated Depreciation Health IT                               | Annual    | Hospital        | *            |
| American Hospital Association (AHA)                    | 85 Heart Acquisition - Dir. Exp.                                     | Annual    | Hospital        | *            | 133 Minor Equipment Nondepreciable                                   | Annual    | Hospital        | *            |
| Integrated Postsecondary Education Data System (IPEDS) | 86 Liver Acquisition - Dir. Exp.                                     | Annual    | Hospital        | *            | 134 Total Fixed Assets   | Annual    | Hospital        | *            |
| EDFacts  | 87 Lung Acquisition - Dir. Exp.                                      | Annual    | Hospital        | *            | 135 Investments  | Annual    | Hospital        | *            |
| Department of Transportation (DOT)                     | 88 Pancreas Acquisition - Dir. Exp.                                  | Annual    | Hospital        | *            | 136 Deposits on Leases   | Annual    | Hospital        | *            |
|  | 89 Intestinal Acquisition - Dir. Exp.                                | Annual    | Hospital        | *            | 137 Due from Owners/Officers   | Annual    | Hospital        | *            |
|  | 90 Islet Acquisition - Dir. Exp.                                     | Annual    | Hospital        | *            | 138 Other Assets   | Annual    | Hospital        | *            |
|  | 91 Other Organ Acquisition - Dir. Exp.                               | Annual    | Hospital        | *            | 139 Total Other Assets   | Annual    | Hospital        | *            |
|  | 92 Interest Expense - Dir. Exp.                                      | Annual    | Hospital        | *            | 140 Total Assets   | Annual    | Hospital        | *            |
|  | 93 Utilization Rvw Skilled Nurs Fac - Dir. Exp.                      | Annual    | Hospital        | *            | 141 Accounts Payable   | Annual    | Hospital        | *            |
|  | 94 Other Capital Related Costs                                       | Annual    | Hospital        | *            | 142 Salaries Wages and Fees Payable                                  | Annual    | Hospital        | *            |
|  | 95 Ambulatory Surg Center (Dist Part) - Dir. Exp.                    | Annual    | Hospital        | *            | 143 Payroll Taxes Payable  | Annual    | Hospital        | *            |
|  | 96 Hospice - Dir. Exp.   | Annual    | Hospital        | *            | 144 Notes and Loans Payable (Short Term)                             | Annual    | Hospital        | *            |
|  | 97 Other Special Purpose - Dir. Exp.                                 | Annual    | Hospital        | *            | 145 Deferred Income  | Annual    | Hospital        | *            |
|  | 98 Subtotals - Dir. Exp.   | Annual    | Hospital        | *            | 146 Accelerated Payments   | Annual    | Hospital        | *            |
|  | 99 Gift Flower Coffee Shop Canteen - Dir. Exp.                       | Annual    | Hospital        | *            | 147 Due to Other Funds   | Annual    | Hospital        | *            |
|  | 100 Research - Dir. Exp.   | Annual    | Hospital        | *            | 148 Other Current Liabilities  | Annual    | Hospital        | *            |
|  | 101 Physicians Private Offices - Dir. Exp.                           | Annual    | Hospital        | *            | 149 Total Current Liabilities  | Annual    | Hospital        | *            |
|  | 102 Nonpaid Workers - Dir. Exp.                                      | Annual    | Hospital        | *            | 150 Mortgage Payable   | Annual    | Hospital        | *            |
|  | 103 Other Nonreimbursable - Dir. Exp.                                | Annual    | Hospital        | *            | 151 Notes Payable  | Annual    | Hospital        | *            |
|  | 104 Total - Dir. Exp.  | Annual    | Hospital        | *            | 152 Unsecured Loans  | Annual    | Hospital        | *            |
|  | 105 Cash on Hand and Banks   | Annual    | Hospital        | *            | 153 Loans from Owners  | Annual    | Hospital        | *            |
|  | 106 Temporary Investments  | Annual    | Hospital        | *            | 154 Other LT Liabilities   | Annual    | Hospital        | *            |
|  | 107 Notes Receivable   | Annual    | Hospital        | *            | 155 Total LT Liabilities   | Annual    | Hospital        | *            |
|  | 108 Accounts Receivable  | Annual    | Hospital        | *            | 156 Total Liabilities  | Annual    | Hospital        | *            |
|  | 109 Other Receivables  | Annual    | Hospital        | *            | 157 GF Balance   | Annual    | Hospital        | *            |
|  | 110 Allow for Uncollectible Notes & AR                               | Annual    | Hospital        | *            | 158 Specific Purpose Fund  | Annual    | Hospital        | *            |
|  | 111 Inventory  | Annual    | Hospital        | *            | 159 Donor Created Endowment Fd Bal Restr                             | Annual    | Hospital        | *            |
|  | 112 Prepaid Expenses   | Annual    | Hospital        | *            | 160 Donor Created Endowment Fd Bal Unrstr                            | Annual    | Hospital        | *            |
|  | 113 Other Current Assets   | Annual    | Hospital        | *            | 161 Gov Body Created Endowment Fd Bal                                | Annual    | Hospital        | *            |
|  | 114 Due From Other Funds   | Annual    | Hospital        | *            | 162 Plant Fund Balance Invested Plant                                | Annual    | Hospital        | *            |
|  | 115 Total Current Assets   | Annual    | Hospital        | *            | 163 Plant Fund Bal Res for Plant Improv                              | Annual    | Hospital        | *            |
|  | 116 Land   | Annual    | Hospital        | *            | 164 Total Fund Balances  | Annual    | Hospital        | *            |
|  | 117 Land Improvements  | Annual    | Hospital        | *            | 165 Total Liabilities and Fund Balances                              | Annual    | Hospital        | *            |
|  | 118 Accumulated Depreciation Land                                    | Annual    | Hospital        | *            | 166 Hospital Revenue   | Annual    | Hospital        | *            |
|  | 119 Buildings  | Annual    | Hospital        | *            | 167 Subprovider Inpatient Psych Fac Rev                              | Annual    | Hospital        | *            |
|  | 120 Accumulated Depreciation Building                                | Annual    | Hospital        | *            | 168 Subprovider Inpatient Rehab Fac Rev                              | Annual    | Hospital        | *            |
|  | 121 Leasehold Improvements   | Annual    | Hospital        | *            | 169 Subprovider (Other) Revenue                                      | Annual    | Hospital        | *            |
|  | 122 Accumulated Depreciation Leasehold                               | Annual    | Hospital        | *            | 170 Swing Bed - Skilled Nursing Fac Rev                              | Annual    | Hospital        | *            |
|  | 123 Fixed Equipment  | Annual    | Hospital        | *            | 171 Swing Bed - Nursing Facility Revenue                             | Annual    | Hospital        | *            |
|  | 124 Accum Depreciation Fixed Equipment                               | Annual    | Hospital        | *            | 172 Skilled Nursing Facility Revenue                                 | Annual    | Hospital        | *            |
|  | 125 Automobiles and Trucks   | Annual    | Hospital        | *            | 173 Nursing Facility Revenue   | Annual    | Hospital        | *            |
|  | 126 Accum Depreciation Auto & Trucks                                 | Annual    | Hospital        | *            | 174 Other LT Care Revenue  | Annual    | Hospital        | *            |

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APPENDIX D: SECTOR-SPECIFIC OPERATIONAL DATA FROM THIRD-PARTY DATA SOURCES (NOT THE OBLIGOR)

| Sector coverage includes:                              | B. Hospital-level Healthcare Cost Report Information (HCRIS), Cont'd | Frequency | Reporting Level | B. Hospital-level Healthcare Cost Report Information (HCRIS), Cont'd | Frequency | Reporting Level |
|--|--|-----------|-----------------|--|-----------|-----------------|
| Hospitals & Healthcare                                 | 175 Total Genl Inpatient Care Services Rev                           | Annual    | Hospital        | 223 Wage - Related Costs (Core)                                      | Annual    | Hospital        |
| Airports   | 176 ICU Revenue  | Annual    | Hospital        | 224 Wage - Related Costs (Other)                                     | Annual    | Hospital        |
| Higher Education                                       | 177 Coronary Care Unit Revenue                                       | Annual    | Hospital        | 225 Excluded Area - Wage Related                                     | Annual    | Hospital        |
| School Districts                                       | 178 Burn ICU Revenue   | Annual    | Hospital        | 226 Non Phys Anesthetist Part A - Wage Rel                           | Annual    | Hospital        |
|  | 179 Surgical ICU Revenue   | Annual    | Hospital        | 227 Non Phys Anesthetist Part B - Wage Rel                           | Annual    | Hospital        |
| <b>Data Sources include:</b>                           | 180 Other Special Care Revenue                                       | Annual    | Hospital        | 228 Physician Anesthetist Part A                                     | Annual    | Hospital        |
| American Hospital Association (AHA)                    | 181 Total IC Typ Inpatient Hosp Svc Rev                              | Annual    | Hospital        | 229 Physician Anesthetist Part B                                     | Annual    | Hospital        |
| Integrated Postsecondary Education Data System (IPEDS) | 182 Tot Inpatient Routine Care Svcs Rev                              | Annual    | Hospital        | 230 Wage Related Costs (RHC/FQHC)                                    | Annual    | Hospital        |
| EDFacts  | 183 Ancillary Services Revenue                                       | Annual    | Hospital        | 231 Interns & Res (Approved Prog) Wage Rel                           | Annual    | Hospital        |
| Department of Transportation (DOT)                     | 184 Outpatient Services Revenue                                      | Annual    | Hospital        | 232 Employee Benefits  | Annual    | Hospital        |
|  | 185 Home Health Agency Revenue                                       | Annual    | Hospital        | 233 Administrative and General Expenses                              | Annual    | Hospital        |
|  | 186 Ambulance Revenue  | Annual    | Hospital        | 234 Administrative and General (Under Cont)                          | Annual    | Hospital        |
|  | 187 Outpatient Rehab Providers Rev                                   | Annual    | Hospital        | 235 Maintenance and Repairs  | Annual    | Hospital        |
|  | 188 Ambulatory Service Center Revenue                                | Annual    | Hospital        | 236 Operation Plant  | Annual    | Hospital        |
|  | 189 Hospice Revenue  | Annual    | Hospital        | 237 Laundry and Linen Service  | Annual    | Hospital        |
|  | 190 Other Revenue (Section G2)                                       | Annual    | Hospital        | 238 Housekeeping   | Annual    | Hospital        |
|  | 191 Total Patient Revenues Revenue                                   | Annual    | Hospital        | 239 Housekeeping (Under Contract)                                    | Annual    | Hospital        |
|  | 192 OpEx Expense   | Annual    | Hospital        | 240 Dietary  | Annual    | Hospital        |
|  | 193 Total Additions Expense  | Annual    | Hospital        | 241 Dietary (Under Contract)   | Annual    | Hospital        |
|  | 194 Total Deductions Expense   | Annual    | Hospital        | 242 Cafeteria  | Annual    | Hospital        |
|  | 195 Total OpEx Expense   | Annual    | Hospital        | 243 Maintenance Personnel  | Annual    | Hospital        |
|  | 196 Total Patient Revenues   | Annual    | Hospital        | 244 Nursing Administration   | Annual    | Hospital        |
|  | 197 Less Cont Allow & Disc on Pat Acct                               | Annual    | Hospital        | 245 Central Services and Supply                                      | Annual    | Hospital        |
|  | 198 Net Patient Revenues   | Annual    | Hospital        | 246 Pharmacy   | Annual    | Hospital        |
|  | 199 Less Total OpEx  | Annual    | Hospital        | 247 Medical Records and Medical Rec Library                          | Annual    | Hospital        |
|  | 200 Net Income from Service to Patients                              | Annual    | Hospital        | 248 Social Service   | Annual    | Hospital        |
|  | 201 Income from Investments  | Annual    | Hospital        | 249 Other General Service  | Annual    | Hospital        |
|  | 202 Governmental Appropriations                                      | Annual    | Hospital        | 250 Name   | Annual    | Hospital        |
|  | 203 Total Other Income   | Annual    | Hospital        | 251 Street   | Annual    | Hospital        |
|  | 204 Total Income (Section G3)  | Annual    | Hospital        | 252 City   | Annual    | Hospital        |
|  | 205 Total Other Expenses (Section G3)                                | Annual    | Hospital        | 253 State  | Annual    | Hospital        |
|  | 206 NI or loss for Period (Section G3)                               | Annual    | Hospital        | 254 Zip Code   | Annual    | Hospital        |
|  | 207 Total Salaries   | Annual    | Hospital        | 255 County   | Annual    | Hospital        |
|  | 208 Non-Physician Anesthetist Part A                                 | Annual    | Hospital        | 256 Provider Hospital  | Annual    | Hospital        |
|  | 209 Non-Physician Anesthetist Part B                                 | Annual    | Hospital        | 257 Beginning Date   | Annual    | Hospital        |
|  | 210 Physician - Part A   | Annual    | Hospital        | 258 Ending Date  | Annual    | Hospital        |
|  | 211 Physician - Part B   | Annual    | Hospital        | 259 Disproportionate Share Hospital                                  | Annual    | Hospital        |
|  | 212 Non-Physician - Part B   | Annual    | Hospital        | 260 Referral Center  | Annual    | Hospital        |
|  | 213 Interns and Residents (Approved Prog)                            | Annual    | Hospital        | 261 Transplant Center  | Annual    | Hospital        |
|  | 214 Home Office Personnel Salaries                                   | Annual    | Hospital        | 262 Teaching Center  | Annual    | Hospital        |
|  | 215 Skilled Nursing Facility Salaries                                | Annual    | Hospital        | 263 Urban/Rural  | Annual    | Hospital        |
|  | 216 Excluded Area Salaries   | Annual    | Hospital        | 264 Revenues from Uncompensated Care                                 | Annual    | Hospital        |
|  | 217 Contract Labor   | Annual    | Hospital        | 265 Gross Medicaid Revenues  | Annual    | Hospital        |
|  | 218 Management & Administrative Services                             | Annual    | Hospital        | 266 Rev from St & Local Indigent Care Prog                           | Annual    | Hospital        |
|  | 219 Contract Labor Physician - Part A                                | Annual    | Hospital        | 267 Rev Related to St Child Hlth Insur Prog                          | Annual    | Hospital        |
|  | 220 Home Office - Sal & Wages - Rel Costs                            | Annual    | Hospital        | 268 Restricted Grants  | Annual    | Hospital        |
|  | 221 Home Office - Physician - Part A                                 | Annual    | Hospital        | 269 Non-Restricted Grants  | Annual    | Hospital        |
|  | 222 Teaching Physician Salaries                                      | Annual    | Hospital        | 270 Total Gross Uncompensated Care Revenues                          | Annual    | Hospital        |

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APPENDIX D: SECTOR-SPECIFIC OPERATIONAL DATA FROM THIRD-PARTY DATA SOURCES (NOT THE OBLIGOR)

| Sector coverage includes:                              | B. Hospital-level Healthcare Cost Report Information (HCRIS), Cont'd | Frequency | Reporting Level | Shown in App | E. Origin Information, Cont'd                             | Frequency | Reporting Level | Shown in App |
|--|--|-----------|-----------------|--------------|---|-----------|-----------------|--------------|
| Hospitals & Healthcare                                 | 271 Chrg Patients Covered St Indigent Prog                           | Annual    | Hospital        | *            | 9 Origin Airport, Country                                 | Monthly   | Flight Level    | *            |
| Airports   | 272 Cost to Charge Ratio   | Annual    | Hospital        | *            | 10 Origin Airport, Country Name                           | Monthly   | Flight Level    | *            |
| Higher Education                                       | 273 Tot State & Local Indigent Care Prog Cst                         | Annual    | Hospital        | *            | 11 Origin Airport, World Area Code                        | Monthly   | Flight Level    | *            |
| School Districts                                       | 274 Tot State Childrens Hlth Insur Prog Chrg                         | Annual    | Hospital        | *            |   |           |                 |              |
|  | 275 Tot State Childrens Hlth Insur Prog Cst                          | Annual    | Hospital        | *            | <b>F. Destination Information</b>                         |           |                 |              |
| <b>Data Sources include:</b>                           | 276 Total Gross Medicaid Charges                                     | Annual    | Hospital        | *            | 1 Destination Airport, Airport ID                         | Monthly   | Flight Level    | *            |
| American Hospital Association (AHA)                    | 277 Total Gross Medicaid Cost  | Annual    | Hospital        | *            | 2 Destination Airport, Airport Sequence ID                | Monthly   | Flight Level    | *            |
| Integrated Postsecondary Education Data System (IPEDS) | 278 Other Uncompensated Care Charges                                 | Annual    | Hospital        | *            | 3 Destination Airport, City Market ID                     | Monthly   | Flight Level    | *            |
| EDFacts  | 279 Cost Non-Medicare Bad Debt Expense                               | Annual    | Hospital        | *            | 4 Destination Airport Code                                | Monthly   | Flight Level    | *            |
| Department of Transportation (DOT)                     | 280 Uncompensated Care Cost  | Annual    | Hospital        | *            | 5 Dest Airport, City Name                                 | Monthly   | Flight Level    | *            |
|  | 281 Total Uncompensated Cost to Hospital                             | Annual    | Hospital        | *            | 6 Destination Airport, State                              | Monthly   | Flight Level    | *            |
|  | 282 Miscellaneous Non-Patient Revenue                                | Annual    | Hospital        | *            | 7 Destination Airport, State FIPS Code                    | Monthly   | Flight Level    | *            |
|  | 283 Year   | Annual    | Hospital        | *            | 8 Destination Airport, State Name                         | Monthly   | Flight Level    | *            |
|  | 284 Days Report  | Annual    | Hospital        | *            | 9 Destination Airport, Country                            | Monthly   | Flight Level    | *            |
|  |  |           |                 |              | 10 Destination Airport, Country Name                      | Monthly   | Flight Level    | *            |
|  |  |           |                 |              | 11 Destination Airport, World Area Code                   | Monthly   | Flight Level    | *            |
|  |  |           |                 |              |   |           |                 |              |
|  |  |           |                 |              | <b>G. Aircraft</b>  |           |                 |              |
|  | <b>C. T-100 Flight Level Data</b>                                    |           |                 |              | 1 Aircraft Group  | Monthly   | Flight Level    | *            |
|  | 1 Departures Scheduled   | Monthly   | Flight Level    | *            | 2 Aircraft Type   | Monthly   | Flight Level    | *            |
|  | 2 Departures Performed   | Monthly   | Flight Level    | *            | 3 Aircraft Configuration                                  | Monthly   | Flight Level    | *            |
|  | 3 Payload, in Pounds   | Monthly   | Flight Level    | *            |   |           |                 |              |
|  | 4 Available Seats  | Monthly   | Flight Level    | *            | <b>H. Time Period of Reporting</b>                        |           |                 |              |
|  | 5 Non-Stop Segment Passengers Transported                            | Monthly   | Flight Level    | *            | 1 Year  | Monthly   | Flight Level    | *            |
|  | 6 Non-Stop Segment Freight Transported (pounds)                      | Monthly   | Flight Level    | *            | 2 Quarter (1-4)   | Monthly   | Flight Level    | *            |
|  | 7 Non-Stop Segment Mail Transported (pounds)                         | Monthly   | Flight Level    | *            | 3 Month   | Monthly   | Flight Level    | *            |
|  | 8 Distance between airports (miles)                                  | Monthly   | Flight Level    | *            |   |           |                 |              |
|  | 9 Load Factor: Ratio of Passenger Miles to Available Seat Miles      | Monthly   | Flight Level    | *            | <b>I. Other Information</b>                               |           |                 |              |
|  | 10 Ramp-to-Ramp Time, in Minutes                                     | Monthly   | Flight Level    | *            | 1 Distance Intervals, every 500 Miles, for Flight Segment | Monthly   | Flight Level    | *            |
|  | 11 Air Time, in Minutes  | Monthly   | Flight Level    | *            | 2 Service Class   | Monthly   | Flight Level    | *            |
|  |  |           |                 |              | 3 Source of Data (D=Domestic, I=International)            | Monthly   | Flight Level    | *            |
|  | <b>D. Carrier Information</b>  |           |                 |              |   |           |                 |              |
|  | 1 Unique Carrier Code  | Monthly   | Flight Level    | *            | <b>J. Transportation_Airport</b>                          |           |                 |              |
|  | 2 Airline ID   | Monthly   | Flight Level    | *            | 1 Total Movements   | Monthly   | Airports_DOT    | *            |
|  | 3 Unique Carrier Name  | Monthly   | Flight Level    | *            | 2 Total Enplanements                                      | Monthly   | Airports_DOT    | *            |
|  | 4 Unique Entity for a Carrier's Operation Region                     | Monthly   | Flight Level    | *            | 3 Total Cargo (Tons)                                      | Monthly   | Airports_DOT    | *            |
|  | 5 Carrier's Operation Region   | Monthly   | Flight Level    | *            | 4 Count of Operating Air Carries                          | Monthly   | Airports_DOT    | *            |
|  | 6 Carrier Code   | Monthly   | Flight Level    | *            | 5 Largest Airline   | Monthly   | Airports_DOT    | *            |
|  | 7 Carrier Name   | Monthly   | Flight Level    | *            | 6 Largest Airline Marketshare                             | Monthly   | Airports_DOT    | *            |
|  | 8 Carrier Group Code   | Monthly   | Flight Level    | *            | 7 Second Largest Airline                                  | Monthly   | Airports_DOT    | *            |
|  | 9 Carrier Group New  | Monthly   | Flight Level    | *            | 8 Second Largest Airline Marketshare                      | Monthly   | Airports_DOT    | *            |
|  |  |           |                 |              | 9 Third Largest Airline                                   | Monthly   | Airports_DOT    | *            |
|  | <b>E. Origin Information</b>   |           |                 |              | 10 Third Largest Airline Marketshare                      | Monthly   | Airports_DOT    | *            |
|  | 1 Origin Airport ID  | Monthly   | Flight Level    | *            |   |           |                 |              |
|  | 2 Origin Airport, Airport Sequence ID                                | Monthly   | Flight Level    | *            |   |           |                 |              |
|  | 3 Origin Airport, City Market ID                                     | Monthly   | Flight Level    | *            |   |           |                 |              |
|  | 4 Origin Airport Code  | Monthly   | Flight Level    | *            |   |           |                 |              |
|  | 5 Origin Airport, City Name  | Monthly   | Flight Level    | *            |   |           |                 |              |
|  | 6 Origin Airport, State  | Monthly   | Flight Level    | *            |   |           |                 |              |
|  | 7 Origin Airport, State FIPS Code                                    | Monthly   | Flight Level    | *            |   |           |                 |              |
|  | 8 Origin Airport, State Name   | Monthly   | Flight Level    | *            |   |           |                 |              |

\* Denotes data points that appear within the application.  
The others are available upon request via support@municipal.com

APPENDIX D: SECTOR-SPECIFIC OPERATIONAL DATA FROM THIRD-PARTY DATA SOURCES (NOT THE OBLIGOR)

| Sector coverage includes: | K. Education_Higher Ed   | Frequency | Reporting Level | Shown in App | K. Education_Higher Ed, Cont'd   | Frequency | Reporting Level | Shown in App |
|---------------------------|--|-----------|-----------------|--------------|--|-----------|-----------------|--------------|
| Hospitals & Healthcare    | 1 Enrollment of Attendance Status  | Annual    | IPEDS           | *            | 49 University Attribute - Multi-institution or multi-campus organization         | Annual    | IPEDS           |              |
| Airports                  | 2 Enrollment by Degree Type  | Annual    | IPEDS           | *            | 50 University Attribute - Name of multi-institution or multi-campus organization | Annual    | IPEDS           |              |
| Higher Education          | 3 Enrollment by Race & Ethnicity   | Annual    | IPEDS           | *            | 51 University Attribute - FIPS County code                                       | Annual    | IPEDS           |              |
| School Districts          | 4 Enrollment by Gender   | Annual    | IPEDS           | *            | 52 University Attribute - County name  | Annual    | IPEDS           |              |
|                           | 5 Full Time Class Retention Rate   | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 6 Graduation Rate by Degree Type   | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 7 Graduate Rate by Completion Time   | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 8 Completions by Degree Type   | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 9 Completions by Major   | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 10 Completions by Tenure   | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 11 Admission test scores   | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 12 Fall reporting period for SAT/ACT test scores                                   | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 13 Percent of first-time degree/certificate-seeking students submitting SAT scores | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 14 Number of first-time degree/certificate-seeking students submitting ACT scores  | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 15 SAT Critical Reading 75th percentile score                                      | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 16 SAT Writing 75th percentile score   | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 17 SAT Math 75th percentile score  | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 18 ACT Composite 75th percentile score   | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 19 ACT English 75th percentile score   | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 20 ACT Math 75th percentile score  | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 21 Member of National Athletic Association   | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 22 Member of National Collegiate Athletic Association (NCAA)                       | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 23 Member of National Association of Intercollegiate Athletics (NAIA)              | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 24 Member of National Junior College Athletic Association (NJCAA)                  | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 25 Member of National Small College Athletic Association (NSCAA)                   | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 26 Total dormitory capacity  | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 27 Typical room charge for academic year   | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 28 Typical board charge for academic year  | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 29 Combined charge for room and board  | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 30 Enrolled total  | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 31 Applicants total  | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 32 Admissions total  | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 33 Enrolled full time total  | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 34 Enrolled part time total  | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 35 All programs offered completely via distance education                          | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 36 Percent of undergraduates formally registered as students with disabilities     | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 37 University Attribute - Institution (entity) name                                | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 38 University Attribute - Street address or post office box                        | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 39 University Attribute - City location of institution                             | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 40 University Attribute - State abbreviation                                       | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 41 University Attribute - ZIP code   | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 42 University Attribute - FIPS state code  | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 43 University Attribute - Geographic region  | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 44 University Attribute - General information telephone number                     | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 45 University Attribute - Highest degree offered                                   | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 46 University Attribute - Historically Black College or University                 | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 47 University Attribute - Institution has hospital                                 | Annual    | IPEDS           | *            |  |           |                 |              |
|                           | 48 University Attribute - Land Grant Institution                                   | Annual    | IPEDS           | *            |  |           |                 |              |

  

| L. Education_School District  | Frequency | Reporting Level |
|---|-----------|-----------------|
| 1 Adjusted Cohort Graduation Rate   | Annual    | EDFacts         |
| 2 Total number of students within the four year adjusted-cohort                               | Annual    | EDFacts         |
| 3 Students who graduated within the four year adjusted-cohort (%)                             | Annual    | EDFacts         |
| 4 Total number of students with disabilities within the four year adjusted-cohort             | Annual    | EDFacts         |
| 5 Students with disabilities who graduated within the four year adjusted-cohort (%)           | Annual    | EDFacts         |
| 6 Total number of economically disadvantaged students within the four year adjusted-coho      | Annual    | EDFacts         |
| 7 Economically disadvantaged students who graduated within the four year adjusted-coho        | Annual    | EDFacts         |
| 8 Total number of students with limited English proficiency within the four year adjusted-col | Annual    | EDFacts         |
| 9 Students with limited English proficiency who graduated within the four year adjusted-col   | Annual    | EDFacts         |
| 10 Total number of American Indian/Alaska Native students within the four year adjusted-col   | Annual    | EDFacts         |
| 11 American Indian/Alaska Native students who graduated within the four year adjusted-col     | Annual    | EDFacts         |
| 12 Total number of Asian/Pacific Islander students within the four year adjusted-cohort       | Annual    | EDFacts         |
| 13 Asian/Pacific Islander students who graduated within the four year adjusted-cohort (%)     | Annual    | EDFacts         |
| 14 Total number of Black students within the four year adjusted-cohort                        | Annual    | EDFacts         |
| 15 Black students who graduated within the four year adjusted-cohort (%)                      | Annual    | EDFacts         |
| 16 Total number of Hispanic students within the four year adjusted-cohort                     | Annual    | EDFacts         |
| 17 Hispanic students who graduated within the four year adjusted-cohort (%)                   | Annual    | EDFacts         |
| 18 Total number of Multiracial students within the four year adjusted-cohort                  | Annual    | EDFacts         |
| 19 Multiracial students who graduated within the four year adjusted-cohort (%)                | Annual    | EDFacts         |
| 20 Total number of White students within the four year adjusted-cohort                        | Annual    | EDFacts         |
| 21 White students who graduated within the four year adjusted-cohort (%)                      | Annual    | EDFacts         |
| 22 Assessment Proficiency   | Annual    | EDFacts         |
| 23 Mathematics  | Annual    | EDFacts         |
| 24 Total number of students that completed an assessment and for whom a proficiency lev       | Annual    | EDFacts         |
| 25 Students in the school that scored at or above proficient (%)                              | Annual    | EDFacts         |
| 26 Number of economically disadvantaged students that completed an assessment and for         | Annual    | EDFacts         |
| 27 Economically disadvantaged students that scored at or above proficient (%)                 | Annual    | EDFacts         |
| 28 Number of female students that completed an assessment and for whom a proficiency le       | Annual    | EDFacts         |
| 29 Female students that scored at or above proficient (%)                                     | Annual    | EDFacts         |
| 30 Number of male students that completed an assessment and for whom a proficiency lev        | Annual    | EDFacts         |
| 31 Male students that scored at or above proficient (%)                                       | Annual    | EDFacts         |
| 32 Assessment Proficiency   | Annual    | EDFacts         |
| 33 Reading & Language Arts  | Annual    | EDFacts         |
| 34 Total number of students that completed an assessment and for whom a proficiency lev       | Annual    | EDFacts         |
| 35 Students in the school that scored at or above proficient (%)                              | Annual    | EDFacts         |
| 36 Number of economically disadvantaged students that completed an assessment and for         | Annual    | EDFacts         |
| 37 Economically disadvantaged students that scored at or above proficient (%)                 | Annual    | EDFacts         |
| 38 Number of female students that completed an assessment and for whom a proficiency le       | Annual    | EDFacts         |
| 39 Female students that scored at or above proficient (%)                                     | Annual    | EDFacts         |
| 40 Number of male students that completed an assessment and for whom a proficiency lev        | Annual    | EDFacts         |
| 41 Male students that scored at or above proficient (%)                                       | Annual    | EDFacts         |

\* Denotes data points that appear within the application.  
The others are available upon request via support@munitrisk.com



APPENDIX E: SECTOR-SPECIFIC FINANCIAL AND OPERATIONAL DATA FROM OBLIGOR FINANCIAL STATEMENTS & CONTINUING DISCLOSURES

| Sector coverage includes:                    | A. Healthcare/Senior Living Obligor-Other specific Information | Frequency         | Reporting Level         | Shown in App | A. Healthcare/Senior Living Obligor-Other specific Information, Cont'd | Frequency         | Reporting Level                | Shown in App |
|--|--|-------------------|-------------------------|--------------|--|-------------------|--------------------------------|--------------|
| Hospitals & Healthcare                       | 1 Patient Services Revenues                                    | Annual, Quarterly | Entity_As Reported_CAFR | *            | 49 Total Occupied Units (CCRC)   | Annual, Quarterly | Entity_As Reported_CAFR        | *            |
| Airports                                     | 2 Housing Services Revenues                                    | Annual, Quarterly | Entity_As Reported_CAFR | *            | 50 Occupancy Rate - Independent Living                                 | Annual, Quarterly | Entity_As Reported_CAFR        | *            |
| Higher Education                             | 3 Healthcare Revenues  | Annual, Quarterly | Entity_As Reported_CAFR | *            | 51 Occupancy Rate - Skilled Nursing                                    | Annual, Quarterly | Entity_As Reported_CAFR        | *            |
| School Districts                             | 4 Community Care Revenues                                      | Annual, Quarterly | Entity_As Reported_CAFR | *            | 52 Occupancy Rate - Assisted Living                                    | Annual, Quarterly | Entity_As Reported_CAFR        | *            |
|  | 5 Total Resident Services (CCRC) Revenues                      | Annual, Quarterly | Entity_As Reported_CAFR | *            | 53 Occupancy Rate - Memory Care  | Annual, Quarterly | Entity_As Reported_CAFR        | *            |
| <b>Reporting Level Key</b>                   | 6 Residence Fees (CCRC Rental)                                 | Annual, Quarterly | Entity_As Reported_CAFR | *            | 54 Overall Occupancy Rate (CCRC)                                       | Annual, Quarterly | Entity_As Reported_CAFR        | *            |
| Comprehensive Annual Financial Report (CAFR) | 7 Skilled Nursing Revenues (CCRC)                              | Annual, Quarterly | Entity_As Reported_CAFR | *            |  |                   |                                |              |
|  | 8 Assisted Living Revenues (CCRC)                              | Annual, Quarterly | Entity_As Reported_CAFR | *            | <b>B. Education_Higher Ed_Other specific Information</b>               |                   |                                |              |
|  | 9 Adult Day/Home Health Revenues (CCRC)                        | Annual, Quarterly | Entity_As Reported_CAFR | *            | 1 Student Tuition and Fees   | Annual            | Public & Priv. University_CAFR | *            |
|  | 10 Amortization of Entrance Fees (CCRC)                        | Annual, Quarterly | Entity_As Reported_CAFR | *            | 2 Grants and Contracts Revenue   | Annual            | Public & Priv. University_CAFR | *            |
|  | 11 Hospital Expenses   | Annual, Quarterly | Entity_As Reported_CAFR | *            | 3 Endowments and Gifts Revenue   | Annual            | Public & Priv. University_CAFR | *            |
|  | 12 Nursing Expenses  | Annual, Quarterly | Entity_As Reported_CAFR | *            | 4 Academic Support Expense   | Annual            | Public & Priv. University_CAFR | *            |
|  | 13 Healthcare Expenses   | Annual, Quarterly | Entity_As Reported_CAFR | *            | 5 Research Expense   | Annual            | Public & Priv. University_CAFR | *            |
|  | 14 Housing Services Expenses                                   | Annual, Quarterly | Entity_As Reported_CAFR | *            | 6 Student Services Expense   | Annual            | Public & Priv. University_CAFR | *            |
|  | 15 Social Services Expenses                                    | Annual, Quarterly | Entity_As Reported_CAFR | *            | 7 Public Service Expense   | Annual            | Public & Priv. University_CAFR | *            |
|  | 16 Number of Employees   | Annual, Quarterly | Entity_As Reported_CAFR | *            | 8 Scholarships and Fellowships Expense                                 | Annual            | Public & Priv. University_CAFR | *            |
|  | 17 Number of Licensed Beds                                     | Annual, Quarterly | Entity_As Reported_CAFR | *            | 9 Student Acceptance Rate  | Annual            | Public & Priv. University_CAFR | *            |
|  | 18 Number of Beds in Service                                   | Annual, Quarterly | Entity_As Reported_CAFR | *            | 10 Number of Employees   | Annual            | Public & Priv. University_CAFR | *            |
|  | 19 Number of Occupied Beds                                     | Annual, Quarterly | Entity_As Reported_CAFR | *            | 11 Student Enrollment  | Annual            | Public & Priv. University_CAFR | *            |
|  | 20 Number of Admissions  | Annual, Quarterly | Entity_As Reported_CAFR | *            | 12 Total Number of Applicants  | Annual            | Public & Priv. University_CAFR | *            |
|  | 21 Number of Births  | Annual, Quarterly | Entity_As Reported_CAFR | *            | 13 Number of Applicants Accepted                                       | Annual            | Public & Priv. University_CAFR | *            |
|  | 22 Patient Discharges  | Annual, Quarterly | Entity_As Reported_CAFR | *            | 14 Student Acceptance Rate   | Annual            | Public & Priv. University_CAFR | *            |
|  | 23 Inpatient Days  | Annual, Quarterly | Entity_As Reported_CAFR | *            | 15 Students Receiving Financial Aid %                                  | Annual            | Public & Priv. University_CAFR | *            |
|  | 24 Average Length of Stay                                      | Annual, Quarterly | Entity_As Reported_CAFR | *            | 16 Tuition and Fees (Annual)   | Annual            | Public & Priv. University_CAFR | *            |
|  | 25 Occupancy Level %   | Annual, Quarterly | Entity_As Reported_CAFR | *            | 17 In-State Tuition and Fees   | Annual            | Public & Priv. University_CAFR | *            |
|  | 26 Emergency Room Visits                                       | Annual, Quarterly | Entity_As Reported_CAFR | *            | 18 Out-of-State Tuition and Fees                                       | Annual            | Public & Priv. University_CAFR | *            |
|  | 27 Outpatient Visits   | Annual, Quarterly | Entity_As Reported_CAFR | *            | 19 Tuition and Fees Graduate Students                                  | Annual            | Public & Priv. University_CAFR | *            |
|  | 28 Laboratory Visits   | Annual, Quarterly | Entity_As Reported_CAFR | *            | 20 In-State Tuition and Fees (Graduate Students)                       | Annual            | Public & Priv. University_CAFR | *            |
|  | 29 Inpatient Surgeries   | Annual, Quarterly | Entity_As Reported_CAFR | *            | 21 Out-of-State Tuition and Fees (Graduate Students)                   | Annual            | Public & Priv. University_CAFR | *            |
|  | 30 Outpatient Surgeries  | Annual, Quarterly | Entity_As Reported_CAFR | *            | 22 Graduation Rate   | Annual            | Public & Priv. University_CAFR | *            |
|  | 31 Surgical Cases - Total                                      | Annual, Quarterly | Entity_As Reported_CAFR | *            | 23 State Appropriations per Student                                    | Annual            | Public & Priv. University_CAFR | *            |
|  | 32 Case Mix Index  | Annual, Quarterly | Entity_As Reported_CAFR | *            | 24 Undergraduate Students FTE  | Annual            | Public & Priv. University_CAFR | *            |
|  | 33 Deliveries  | Annual, Quarterly | Entity_As Reported_CAFR | *            | 25 Graduate Students FTE   | Annual            | Public & Priv. University_CAFR | *            |
|  | 34 Medicare %  | Annual, Quarterly | Entity_As Reported_CAFR | *            | 26 Educational Expenses per Student                                    | Annual            | Public & Priv. University_CAFR | *            |
|  | 35 Medicaid %  | Annual, Quarterly | Entity_As Reported_CAFR | *            | 27 Professional Employees  | Annual            | Public & Priv. University_CAFR | *            |
|  | 36 Other %   | Annual, Quarterly | Entity_As Reported_CAFR | *            | 28 Full-Time Faculty   | Annual            | Public & Priv. University_CAFR | *            |
|  | 37 Patients %  | Annual, Quarterly | Entity_As Reported_CAFR | *            | 29 Age of Institution  | Annual            | Public & Priv. University_CAFR | *            |
|  | 38 Commercial Insurance %                                      | Annual, Quarterly | Entity_As Reported_CAFR | *            |  |                   |                                |              |
|  | 39 Managed Care %  | Annual, Quarterly | Entity_As Reported_CAFR | *            | <b>C. Education_University Endowment Financial Information</b>         |                   |                                |              |
|  | 40 Available Units - Independent Living                        | Annual, Quarterly | Entity_As Reported_CAFR | *            | 1 Endowment Size   | Annual            | Endowment_CAFR                 | *            |
|  | 41 Available Units - Skilled Nursing                           | Annual, Quarterly | Entity_As Reported_CAFR | *            | 2 Endowment Investment Return %  | Annual            | Endowment_CAFR                 | *            |
|  | 42 Available Units - Assisted Living                           | Annual, Quarterly | Entity_As Reported_CAFR | *            | 3 Endowment Gain/(Loss)  | Annual            | Endowment_CAFR                 | *            |
|  | 43 Available Units - Memory Care                               | Annual, Quarterly | Entity_As Reported_CAFR | *            | 4 Endowment Fund - Beginning Balance                                   | Annual            | Endowment_CAFR                 | *            |
|  | 44 Total Available Units (CCRC)                                | Annual, Quarterly | Entity_As Reported_CAFR | *            | 5 Endowment Fund - Ending Balance                                      | Annual            | Endowment_CAFR                 | *            |
|  | 45 Occupied Units - Independent Living                         | Annual, Quarterly | Entity_As Reported_CAFR | *            |  |                   |                                |              |
|  | 46 Occupied Units - Skilled Nursing                            | Annual, Quarterly | Entity_As Reported_CAFR | *            |  |                   |                                |              |
|  | 47 Occupied Units - Assisted Living                            | Annual, Quarterly | Entity_As Reported_CAFR | *            |  |                   |                                |              |
|  | 48 Occupied Units - Memory Care                                | Annual, Quarterly | Entity_As Reported_CAFR | *            |  |                   |                                |              |

\* Denotes data points that appear within the application. The others are available upon request via support@muniRisk.com

APPENDIX E: SECTOR-SPECIFIC FINANCIAL AND OPERATIONAL DATA FROM OBLIGOR FINANCIAL STATEMENTS & CONTINUING DISCLOSURES

| Sector coverage includes:                    | D. Assessed Value & Market Value Information   |        |                              |   | G. Transportation Obligor-specific Information, Cont'd | Frequency | Reporting Level         | Shown in App |
|--|--|--------|------------------------------|---|--|-----------|-------------------------|--------------|
| Hospitals & Healthcare                       | 1 Local Govt. Property Assessed Value  | Annual | Local Government (From CAFR) | * | 13 Landed Weight                                       | Annual    | Entity_As Reported_CAFR | *            |
| Airports                                     | 2 Local Govt. Property Market Value  | Annual | Local Government (From CAFR) | * | 14 Total Ridership                                     | Annual    | Entity_As Reported_CAFR | *            |
| Higher Education                             | 3 Local Govt. Property Tax Rate Information  | Annual | Local Government (From CAFR) | * | 15 Total Miles of Roadway                              | Annual    | Entity_As Reported_CAFR | *            |
| School Districts                             | 4 Personal Property Assessed & Market Value  | Annual | Local Government (From CAFR) | * | 16 On-Time Arrivals %                                  | Annual    | Entity_As Reported_CAFR | *            |
|  | 5 Property Tax Delinquency Rate Information  | Annual | Local Government (From CAFR) | * | 17 On-Time Originations %                              | Annual    | Entity_As Reported_CAFR | *            |
| <b>Reporting Level Key</b>                   | 6 Public Utility Assessed & Market Value   | Annual | Local Government (From CAFR) | * | 18 Toll Traffic  | Annual    | Entity_As Reported_CAFR | *            |
| Comprehensive Annual Financial Report (CAFR) | 7 Real & Personal Property Exemptions  | Annual | Local Government (From CAFR) | * | 19 Total Tons  | Annual    | Entity_As Reported_CAFR | *            |
|  | 8 Real Property Market/Assessed Value  | Annual | Local Government (From CAFR) | * | 20 Container Shipping Volume (TEU)                     | Annual    | Entity_As Reported_CAFR | *            |
|  | 9 AV of Top 10 Tax Payers Information  | Annual | Local Government (From CAFR) | * | 21 Construction in Progress                            | Annual    | Entity_As Reported_CAFR | *            |
|  | <b>E. Other Local Govt Information</b>   |        |                              |   | <b>H. Utility Obligor-specific Information</b>         |           |                         |              |
|  | 1 Foreclosure Rate   | Annual | Local Government (From CAFR) | * | 1 Revenue from Electric                                | Annual    | Entity_As Reported_CAFR | *            |
|  | 2 Number of Housing Starts   | Annual | Local Government (From CAFR) | * | 2 Revenue from Gas                                     | Annual    | Entity_As Reported_CAFR | *            |
|  | 3 School District Educational Expenses per Student   | Annual | Local Government (From CAFR) | * | 3 Revenue from Water                                   | Annual    | Entity_As Reported_CAFR | *            |
|  | 4 School District Faculty Information  | Annual | Local Government (From CAFR) | * | 4 Revenue from Wastewater                              | Annual    | Entity_As Reported_CAFR | *            |
|  | 5 School District Expenditure per Pupil  | Annual | Local Government (From CAFR) | * | 5 Solid Waste Revenues                                 | Annual    | Entity_As Reported_CAFR | *            |
|  | 6 School District Student Enrollment   | Annual | Local Government (From CAFR) | * | 6 Telecommunications Revenues                          | Annual    | Entity_As Reported_CAFR | *            |
|  | 7 Standardized General Fund Income Ratios  | Annual | Local Government (From CAFR) | * | 7 Fuel Costs   | Annual    | Entity_As Reported_CAFR | *            |
|  | 8 Total Acreage Development %  | Annual | Local Government (From CAFR) | * | 8 Purchased Power Cost                                 | Annual    | Entity_As Reported_CAFR | *            |
|  |  |        |                              |   | 9 Electric Expenses                                    | Annual    | Entity_As Reported_CAFR | *            |
|  | <b>F. Housing Obligor-specific Information (See Also Monthly Housing Data per Geographic Region in Economic)</b> |        |                              |   | 10 Purchased Gas Cost                                  | Annual    | Entity_As Reported_CAFR | *            |
|  | 1 Program Revenues   | Annual | Entity_As Reported_CAFR      | * | 11 Gas Expenses  | Annual    | Entity_As Reported_CAFR | *            |
|  | 2 Fees and Charges   | Annual | Entity_As Reported_CAFR      | * | 12 Purchased Water                                     | Annual    | Entity_As Reported_CAFR | *            |
|  | 3 Loan Fees Revenue  | Annual | Entity_As Reported_CAFR      | * | 13 Water Expenses                                      | Annual    | Entity_As Reported_CAFR | *            |
|  | 4 Rental Revenues  | Annual | Entity_As Reported_CAFR      | * | 14 Wastewater Expenses                                 | Annual    | Entity_As Reported_CAFR | *            |
|  | 5 Mortgage Fees Revenue  | Annual | Entity_As Reported_CAFR      | * | 15 Average Billed Electric Residential Revenues        | Annual    | Entity_As Reported_CAFR | *            |
|  | 6 Mortgage Loans Revenue   | Annual | Entity_As Reported_CAFR      | * | 16 Average Billed Electric Commercial Revenues         | Annual    | Entity_As Reported_CAFR | *            |
|  | 7 Operating Grants/Federal(HUD) Subsidies  | Annual | Entity_As Reported_CAFR      | * | 17 Average Billed Electric Industrial Revenues         | Annual    | Entity_As Reported_CAFR | *            |
|  | 8 Housing Services Expenses  | Annual | Entity_As Reported_CAFR      | * | 18 Average Billed Electric Other Revenues              | Annual    | Entity_As Reported_CAFR | *            |
|  | 9 Maintenance & Repairs Expense  | Annual | Entity_As Reported_CAFR      | * | 19 Average Billed Electric Retail Revenues             | Annual    | Entity_As Reported_CAFR | *            |
|  | 10 Materials and Supplies Expense  | Annual | Entity_As Reported_CAFR      | * | 20 Average Billed Total Electric Revenues              | Annual    | Entity_As Reported_CAFR | *            |
|  | 11 Total Sub-Lease Income  | Annual | Entity_As Reported_CAFR      | * | 21 Average Electric Residential Revenue per Customer   | Annual    | Entity_As Reported_CAFR | *            |
|  | 12 Occupancy Rate  | Annual | Entity_As Reported_CAFR      | * | 22 Average Electric Commercial Revenue per Customer    | Annual    | Entity_As Reported_CAFR | *            |
|  |  |        |                              |   | 23 Average Electric Industrial Revenue per Customer    | Annual    | Entity_As Reported_CAFR | *            |
|  | <b>G. Transportation Obligor-specific Information</b>  |        |                              |   | 24 Average Electric Other Revenue per Customer         | Annual    | Entity_As Reported_CAFR | *            |
|  | 1 Toll Revenues  | Annual | Entity_As Reported_CAFR      | * | 25 Average Total Electric Revenue per Customer         | Annual    | Entity_As Reported_CAFR | *            |
|  | 2 Concession Fees  | Annual | Entity_As Reported_CAFR      | * | 26 Average Billed Bundled Gas Res Revenues per MCF     | Annual    | Entity_As Reported_CAFR | *            |
|  | 3 Facility Rental Revs   | Annual | Entity_As Reported_CAFR      | * | 27 Average Billed Bundled Gas Coml Revenues per MCF    | Annual    | Entity_As Reported_CAFR | *            |
|  | 4 Parking Revenues   | Annual | Entity_As Reported_CAFR      | * | 28 Average Billed Bundled Gas Ind Revenues per MCF     | Annual    | Entity_As Reported_CAFR | *            |
|  | 5 Landing Fees   | Annual | Entity_As Reported_CAFR      | * | 29 Average Billed Bundled Total Gas Revenues per MCF   | Annual    | Entity_As Reported_CAFR | *            |
|  | 6 Transportation Revs  | Annual | Entity_As Reported_CAFR      | * | 30 Average Gas Residential Revenue per Customer        | Annual    | Entity_As Reported_CAFR | *            |
|  | 7 Wharfage Revenues  | Annual | Entity_As Reported_CAFR      | * | 31 Average Gas Commercial Revenue per Customer         | Annual    | Entity_As Reported_CAFR | *            |
|  | 8 Passenger Facility Charges   | Annual | Entity_As Reported_CAFR      | * | 32 Average Gas Industrial Revenue per Customer         | Annual    | Entity_As Reported_CAFR | *            |
|  | 9 Customer Facility Charges  | Annual | Entity_As Reported_CAFR      | * | 33 Average Total Gas Revenue per Customer              | Annual    | Entity_As Reported_CAFR | *            |
|  | 10 Total Enplanements  | Annual | Entity_As Reported_CAFR      | * | 34 Average Billed Water Residential Revenue            | Annual    | Entity_As Reported_CAFR | *            |
|  | 11 Total Passengers  | Annual | Entity_As Reported_CAFR      | * | 35 Average Billed Water Commercial Revenue             | Annual    | Entity_As Reported_CAFR | *            |
|  | 12 Landings  | Annual | Entity_As Reported_CAFR      | * | 36 Average Billed Water Industrial Revenue             | Annual    | Entity_As Reported_CAFR | *            |

\* Denotes data points that appear within the application. The others are available upon request via support@muniRisk.com

APPENDIX E: SECTOR-SPECIFIC FINANCIAL AND OPERATIONAL DATA FROM OBLIGOR FINANCIAL STATEMENTS & CONTINUING DISCLOSURES

| Sector coverage includes:                    | H. Utility Obligor-specific Information, Cont'd   | Frequency | Reporting Level         | Shown in App | H Utility Obligor-specific Information, Cont'd | Frequency | Reporting Level         | Shown in App |
|--|---|-----------|-------------------------|--------------|--|-----------|-------------------------|--------------|
| Hospitals & Healthcare                       | 37 Average Billed Water Other Revenue             | Annual    | Entity_As Reported_CAFR | *            | 85 Wastewater - Industrial Revenue             | Annual    | Entity_As Reported_CAFR | *            |
| Airports                                     | 38 Average Billed Water Total Revenue             | Annual    | Entity_As Reported_CAFR | *            | 86 Wastewater - Other Revenue                  | Annual    | Entity_As Reported_CAFR | *            |
| Higher Education                             | 39 Average Water Residential Revenue per Customer | Annual    | Entity_As Reported_CAFR | *            | 87 Wastewater Customers - Residential          | Annual    | Entity_As Reported_CAFR | *            |
| School Districts                             | 40 Average Water Commercial Revenue per Customer  | Annual    | Entity_As Reported_CAFR | *            | 88 Wastewater Customers - Commercial           | Annual    | Entity_As Reported_CAFR | *            |
|  | 41 Average Water Industrial Revenue per Customer  | Annual    | Entity_As Reported_CAFR | *            | 89 Wastewater Customers - Industrial           | Annual    | Entity_As Reported_CAFR | *            |
|  | 42 Average Water Other Revenue per Customer       | Annual    | Entity_As Reported_CAFR | *            | 90 Wastewater Customers - Other                | Annual    | Entity_As Reported_CAFR | *            |
| <b>Reporting Level Key</b>                   | 43 Average Total Water Revenue per Customer       | Annual    | Entity_As Reported_CAFR | *            | 91 Wastewater Customers - Total                | Annual    | Entity_As Reported_CAFR | *            |
| Comprehensive Annual Financial Report (CAFR) | 44 Average Revenue/KWH                            | Annual    | Entity_As Reported_CAFR | *            | 92 Gas Sales - Residential (MMBTU)             | Annual    | Entity_As Reported_CAFR | *            |
|  | 45 Average Revenue/Thermal                        | Annual    | Entity_As Reported_CAFR | *            | 93 Gas Sales - Commercial (MMBTU)              | Annual    | Entity_As Reported_CAFR | *            |
|  | 46 Electric Sales, Residential                    | Annual    | Entity_As Reported_CAFR | *            | 94 Gas Sales - Industrial (MMBTU)              | Annual    | Entity_As Reported_CAFR | *            |
|  | 47 Electric Sales, Commercial                     | Annual    | Entity_As Reported_CAFR | *            | 95 Gas Sales - Interruptible (MMBTU)           | Annual    | Entity_As Reported_CAFR | *            |
|  | 48 Electric Sales, Industrial                     | Annual    | Entity_As Reported_CAFR | *            | 96 Gas Sales - Other (MMBTU)                   | Annual    | Entity_As Reported_CAFR | *            |
|  | 49 Electric Sales, Other                          | Annual    | Entity_As Reported_CAFR | *            | 97 Total Gas Sales Volumes (MMBTU)             | Annual    | Entity_As Reported_CAFR | *            |
|  | 50 Total Electric Sales, Retail                   | Annual    | Entity_As Reported_CAFR | *            | 98 Gas Revenue, Residential                    | Annual    | Entity_As Reported_CAFR | *            |
|  | 51 Total Electric Sales, Wholesale                | Annual    | Entity_As Reported_CAFR | *            | 99 Gas Revenue, Commercial                     | Annual    | Entity_As Reported_CAFR | *            |
|  | 52 Total Electric Sales (MM kWh)                  | Annual    | Entity_As Reported_CAFR | *            | 100 Gas Revenue, Industrial                    | Annual    | Entity_As Reported_CAFR | *            |
|  | 53 Electric Revenue, Residential                  | Annual    | Entity_As Reported_CAFR | *            | 101 Gas Revenue - Interruptible                | Annual    | Entity_As Reported_CAFR | *            |
|  | 54 Electric Revenue, Commercial                   | Annual    | Entity_As Reported_CAFR | *            | 102 Gas Revenue Other                          | Annual    | Entity_As Reported_CAFR | *            |
|  | 55 Electric Revenue, Industrial                   | Annual    | Entity_As Reported_CAFR | *            | 103 Gas Customers - Residential                | Annual    | Entity_As Reported_CAFR | *            |
|  | 56 Electric Revenue, Other                        | Annual    | Entity_As Reported_CAFR | *            | 104 Gas Customers - Commercial                 | Annual    | Entity_As Reported_CAFR | *            |
|  | 57 Total Electric Revenue, Retail                 | Annual    | Entity_As Reported_CAFR | *            | 105 Gas Customers - Industrial                 | Annual    | Entity_As Reported_CAFR | *            |
|  | 58 Total Electric Revenue, Wholesale              | Annual    | Entity_As Reported_CAFR | *            | 106 Gas Customers - Other                      | Annual    | Entity_As Reported_CAFR | *            |
|  | 59 Electric Customers - Residential               | Annual    | Entity_As Reported_CAFR | *            | 107 Gas Customers - Total                      | Annual    | Entity_As Reported_CAFR | *            |
|  | 60 Electric Customers - Commercial                | Annual    | Entity_As Reported_CAFR | *            | 108 Solid Waste Tipping Fees per Ton           | Annual    | Entity_As Reported_CAFR | *            |
|  | 61 Electric Customers - Industrial                | Annual    | Entity_As Reported_CAFR | *            | 109 Solid Waste Tons Collected                 | Annual    | Entity_As Reported_CAFR | *            |
|  | 62 Electric Customers - Other                     | Annual    | Entity_As Reported_CAFR | *            |  |           |                         |              |
|  | 63 Electric Customers - Total                     | Annual    | Entity_As Reported_CAFR | *            |  |           |                         |              |
|  | 64 Water Sales (kgal) - Residential               | Annual    | Entity_As Reported_CAFR | *            |  |           |                         |              |
|  | 65 Water Sales (kgal) - Commercial                | Annual    | Entity_As Reported_CAFR | *            |  |           |                         |              |
|  | 66 Water Sales (kgal) - Industrial                | Annual    | Entity_As Reported_CAFR | *            |  |           |                         |              |
|  | 67 Water Sales (kgal) - Other                     | Annual    | Entity_As Reported_CAFR | *            |  |           |                         |              |
|  | 68 Total Water Sales (kgal)                       | Annual    | Entity_As Reported_CAFR | *            |  |           |                         |              |
|  | 69 Water - Residential Revenue                    | Annual    | Entity_As Reported_CAFR | *            |  |           |                         |              |
|  | 70 Water - Commercial Revenue                     | Annual    | Entity_As Reported_CAFR | *            |  |           |                         |              |
|  | 71 Water - Industrial Revenue                     | Annual    | Entity_As Reported_CAFR | *            |  |           |                         |              |
|  | 72 Water - Other Revenue                          | Annual    | Entity_As Reported_CAFR | *            |  |           |                         |              |
|  | 73 Water Customers - Residential                  | Annual    | Entity_As Reported_CAFR | *            |  |           |                         |              |
|  | 74 Water Customers - Commercial                   | Annual    | Entity_As Reported_CAFR | *            |  |           |                         |              |
|  | 75 Water Customers - Industrial                   | Annual    | Entity_As Reported_CAFR | *            |  |           |                         |              |
|  | 76 Water Customers - Other                        | Annual    | Entity_As Reported_CAFR | *            |  |           |                         |              |
|  | 77 Water Customers - Total                        | Annual    | Entity_As Reported_CAFR | *            |  |           |                         |              |
|  | 78 Wastewater Sales (kgal) - Residential          | Annual    | Entity_As Reported_CAFR | *            |  |           |                         |              |
|  | 79 Wastewater Sales (kgal) - Commercial           | Annual    | Entity_As Reported_CAFR | *            |  |           |                         |              |
|  | 80 Wastewater Sales (kgal) - Industrial           | Annual    | Entity_As Reported_CAFR | *            |  |           |                         |              |
|  | 81 Wastewater Sales (kgal) - Other                | Annual    | Entity_As Reported_CAFR | *            |  |           |                         |              |
|  | 82 Total Wastewater Sales (kgal)                  | Annual    | Entity_As Reported_CAFR | *            |  |           |                         |              |
|  | 83 Wastewater - Residential Revenue               | Annual    | Entity_As Reported_CAFR | *            |  |           |                         |              |
|  | 84 Wastewater - Commercial Revenue                | Annual    | Entity_As Reported_CAFR | *            |  |           |                         |              |

\* Denotes data points that appear within the application. The others are available upon request via support@muniRisk.com

## APPENDIX F: SECURITY MASTER

| A. Moody's, S&P and Fitch Rating Fields |   | B. Municipal Descriptive |   | B. Municipal Descriptive, Cont'd |   | B. Municipal Descriptive, Cont'd |  |
|---|---|--------------------------|---|----------------------------------|---|----------------------------------|--|
| 1                                       | Enhanced Global Scale Rating Date & Indicator   | 1                        | 1st - 5th Letter of Credit Type & Details       | 46                               | Interest Accrual Date                             | 91                               | Municipal Registrar & Source                     |
| 2                                       | Enhanced Outlook                                | 2                        | Adjustable Coupon Mode & Indicator              | 47                               | Interest Payment Information for Adjustable Bonds | 92                               | Municipal Tax Provision                          |
| 3                                       | Enhanced Rating & Effective Date                | 3                        | Advance Refunded Code & Type                    | 48                               | Interest Payment Type                             | 93                               | Municipal Trustee                                |
| 4                                       | Feed Source                                     | 4                        | Alternative Minimum Tax Indicator               | 49                               | Inverse Floater Auction Freq                      | 94                               | Name   |
| 5                                       | Global Scale Rating Date & Indicator            | 5                        | Amount Outstanding                              | 50                               | Inverse Floater Bond Type                         | 95                               | Next Call Date & Price                           |
| 6                                       | Insured Global Scale Rating Date & Indicator    | 6                        | Base Accrual Rate and Date (-1)                 | 51                               | ISIN Number                                       | 96                               | Next Coupon Settle Date                          |
| 7                                       | Insured Outlook                                 | 7                        | Bloomberg Company Identifier                    | 52                               | Issue Benchmark                                   | 97                               | Next Par Call Date & Price                       |
| 8                                       | Insured Rating & Rating Date                    | 8                        | Bloomberg Sector Code                           | 53                               | Issue Price                                       | 98                               | Next Par Put Date & Price                        |
| 9                                       | Insured Watch                                   | 9                        | Bond Form                                       | 54                               | Issue Spread To Benchmark                         | 99                               | Next Premium Call Date & Price                   |
| 10                                      | Issuer Global Scale Rating Date & Indicator     | 10                       | Bond to Equity Ticker                           | 55                               | Issuer Full Name                                  | 100                              | Next Put Date & Price                            |
| 11                                      | LT Insured Rating Watch Date                    | 11                       | Calculation Type & Description                  | 56                               | Issuer Industry                                   | 101                              | Next Reset Date                                  |
| 12                                      | LT Municipal Underlying Rating Date             | 12                       | Call Feature                                    | 57                               | Issuer Type                                       | 102                              | Next Sink Amount, Date, and Price                |
| 13                                      | LT Rating and Date- Issue Level                 | 13                       | Call Indicator                                  | 58                               | Lead Manager / Underwriter                        | 103                              | Original CUSIP                                   |
| 14                                      | LT Standard Rating & Date                       | 14                       | Call Notification with Max. & Min. Days         | 59                               | Legal Opinion with City & State                   | 104                              | Original Issue Discount Security                 |
| 15                                      | LT Standard Rating Watch & Date                 | 15                       | Call Redemption Method                          | 60                               | Liquidity Agreement & Exp. Date                   | 105                              | Par Amount                                       |
| 16                                      | LT Underlying Rating Date                       | 16                       | Call Schedule - Discrete                        | 61                               | Main Obligor, Type, and Bloomberg ID              | 106                              | Parent Company Name                              |
| 17                                      | LT Enhanced Rating Watch                        | 17                       | Call Type                                       | 62                               | Market Issue                                      | 107                              | Partial Call                                     |
| 18                                      | LT Muni Underlying Rating Date                  | 18                       | City of the Registrar, Trustee, and Underwriter | 63                               | Market Sector Description & Number                | 108                              | Partially Called Indicator                       |
| 19                                      | LT Enhanced Rating Affirmation Date             | 19                       | Collateral Type                                 | 64                               | Maturity  | 109                              | Pre-Refunded / Maturity Date                     |
| 20                                      | LT Enhanced Rating Watch Date                   | 20                       | Completely Called Indicator                     | 65                               | Maturity / Refund Type                            | 110                              | Previous Coupon Settle Date                      |
| 21                                      | LT Insured Rating Affirmation Date              | 21                       | Coupon, Coupon Frequency, and Type              | 66                               | Maturity Amount                                   | 111                              | Put Feature                                      |
| 22                                      | LT Standard Rating Affirmation Date             | 22                       | Credit Enhancements                             | 67                               | Max. and Min. Floating Coupon                     | 112                              | Put Indicator                                    |
| 23                                      | LT Underlying Rating Affirmation Dt             | 23                       | Cusip Number                                    | 68                               | Minimum Increment                                 | 113                              | Put Notification - Max. and Min. Days            |
| 24                                      | LT Underlying Rating Watch Date                 | 24                       | Day Count & Description                         | 69                               | Minimum Piece                                     | 114                              | Put Type   |
| 25                                      | Moody's Standard & Effective Date               | 25                       | Defaulted/Bankruptcy Indicator                  | 70                               | Most Recent Default Date, Detail, and Type        | 115                              | Refunding Status                                 |
| 26                                      | Rating  | 26                       | Derivative Type                                 | 71                               | Most Recent Redemption Amount, Date, Price, Type  | 116                              | Remarketing Agent                                |
| 27                                      | Rating Effective Date                           | 27                       | Distressed Security Indicator                   | 72                               | Muni Advanced Refunded Date & Price               | 117                              | Reset Frequency                                  |
| 28                                      | Rating Watch                                    | 28                       | Extraordinary Redemption Flag & Type            | 73                               | Muni Anticipated Sink Fund (Y/N)                  | 118                              | Reset Index                                      |
| 29                                      | ST Enhanced Rating & Date                       | 29                       | Federal Taxable                                 | 74                               | Muni Corporate Obligor 2, 3                       | 119                              | Sale Date  |
| 30                                      | ST Enhanced Rating Affirmation Date             | 30                       | Feed Source                                     | 75                               | Muni Escrow Percentage & Type                     | 120                              | Secondarily Insured Indicator                    |
| 31                                      | ST Enhanced Rating Watch                        | 31                       | First Coupon Payment Date                       | 76                               | Muni Escrowed to Maturity Date                    | 121                              | Secondary Issue Type                             |
| 32                                      | ST Enhanced Rating Watch Date                   | 32                       | First Settle Date                               | 77                               | Muni Formal Award Date                            | 122                              | Security ID Number Description                   |
| 33                                      | ST Rating - Issue Level                         | 33                       | First Tax Credit Payment Date                   | 78                               | Muni Issuer DES Second Line                       | 123                              | Security Identifier                              |
| 34                                      | ST Rating - Issue Rating                        | 34                       | Fiscal Year End Date                            | 79                               | Muni Obligor 2 Type (and 3 Type)                  | 124                              | Series Identifier                                |
| 35                                      | ST Rating Date - Issue Level                    | 35                       | Floater Indicator Details and Dates             | 80                               | Muni Official Statement                           | 125                              | Sink Frequency                                   |
| 36                                      | ST Standard Rating & Date                       | 36                       | GIC Provider ID BB Company                      | 81                               | Muni Trust Identifier                             | 126                              | Sink Indicator                                   |
| 37                                      | ST Standard Rating Affirmation Date             | 37                       | Guaranteed Investment Contract                  | 82                               | Municipal Dated Date                              | 127                              | Sink Type  |
| 38                                      | ST Standard Rating Watch & Date                 | 38                       | Guaranteed Investment Contract Exp. Date        | 83                               | Municipal Derivative Indicator                    | 128                              | Sinking Fund Redemption Method                   |
| 39                                      | ST Underlying Rating & Date                     | 39                       | Guaranty Agreement                              | 84                               | Municipal Escrow Type                             | 129                              | Standby Purchase Agmt Expiration Date            |
| 40                                      | ST Underlying Rating Affirmation Date           | 40                       | Guaranty Agreement Exp. Date                    | 85                               | Municipal is Note                                 | 130                              | Standby Purchase Agreement                       |
| 41                                      | ST Underlying Rating Watch                      | 41                       | Guaranty Agreement Provider ID BB Company       | 86                               | Municipal Issue Size & Type                       | 131                              | State Code                                       |
| 42                                      | ST Underlying Rating Watch Date                 | 42                       | Industry Group & Number                         | 87                               | Municipal Maturity Size                           | 132                              | State of the Registrar, Trustee, and Underwriter |
| 43                                      | Underlying Global Scale Rating Date & Indicator | 43                       | Industry Sector & Number                        | 88                               | Municipal Offering Type                           | 133                              | State Taxable                                    |
| 44                                      | Underlying Outlook                              | 44                       | Industry Subgroup & Number                      | 89                               | Municipal Paying Agent                            | 134                              | Step-up / Step-down Coupon                       |
| 45                                      | Underlying Rating Watch                         | 45                       | Insurance Status                                | 90                               | Municipal Purpose (2-3)                           | 135                              | Step-up / Step-down Date                         |

## APPENDIX F: SECURITY MASTER

**B. Municipal Descriptive, Cont'd**

|     |                              |
|-----|------------------------------|
| 136 | Tax Credit Rate & Frequency  |
| 137 | Tax Status Code              |
| 138 | Tender Agent                 |
| 139 | Ticker                       |
| 140 | Trading Status               |
| 141 | Ultimate Borrower BBID       |
| 142 | Ultimate Borrower Name       |
| 143 | Variable Initial Coupon Rate |
| 144 | When Issued                  |
| 145 | Yield on Issue Date          |
| 146 | Zero Coupon Indicator        |

**C. Municipal Pricing**

|    |  |
|----|--|
| 1  | Tax Equivalent Yield (Using Ask After Tax Yield) |
| 2  | Tax Equivalent Yield (Using Bid After Tax Yield) |
| 3  | Tax Equivalent Yield (Using Mid After Tax Yield) |
| 4  | Currency   |
| 5  | Feed Source                                      |
| 6  | Accrued Interest/100                             |
| 7  | Time/Date of Last Update                         |
| 8  | Date Of Last Update                              |
| 9  | Years from Settle to Maturity                    |
| 10 | Municipal After Tax Yield                        |
| 11 | Muni After Tax Yield (Ask)                       |
| 12 | Muni After Tax Yield (Bid)                       |
| 13 | Muni Last MSRB Date                              |
| 14 | Muni Last MSRB Avg Price By Bloomberg            |
| 15 | Muni Last MSRB High Price                        |
| 16 | Muni Last MSRB Low Price                         |
| 17 | Muni Last MSRB Num Trades                        |
| 18 | Muni Last MSRB Volume                            |
| 19 | Muni Revised Issue Price                         |

**C. Municipal Pricing, Cont'd**

|    |                                 |
|----|---------------------------------|
| 20 | Muni Tax Equivalent Yield (Ask) |
| 21 | Muni Tax Equivalent Yield (Bid) |
| 22 | Muni Tax Equivalent Yield       |
| 23 | Pricing Source                  |
| 24 | Closing Ask Price               |
| 25 | Closing Bid Price               |
| 26 | Closing Mid/Trade Price         |
| 27 | Ask Price                       |
| 28 | Bid Price                       |
| 29 | Date Of Last Close              |
| 30 | Last Price                      |
| 31 | Mid Price                       |
| 32 | Next Settlement Date            |
| 33 | Bid Workout Date                |
| 34 | Bid Workout Price               |
| 35 | Ask Yield To Convention         |
| 36 | Bid Yield To Convention         |
| 37 | Mid Yield To Convention         |
| 38 | Ask Current Yield               |
| 39 | Bid Current Yield               |
| 40 | Mid Current Yield               |
| 41 | Ask Yield To Next Call          |
| 42 | Bid Yield To Next Call          |
| 43 | Mid Yield To Next Call          |
| 44 | Ask Yield To Maturity           |
| 45 | Bid Yield To Maturity           |
| 46 | Mid Yield To Maturity           |
| 47 | Ask Yield To Next Put           |
| 48 | Bid Yield To Next Put           |
| 49 | Mid Yield To Next Put           |

**D. Municipal Bulk**

|    |  |
|----|--|
| 1  | Anticipated Sink Schedule Amount                 |
| 2  | Anticipated Sink Schedule Price (and source)     |
| 3  | Call Schedule Price (and source)                 |
| 4  | Floater Accrual Schedule                         |
| 5  | Muni Trust Constituent Deposit Date              |
| 6  | Muni Trust Constituent Par Amount                |
| 7  | Muni Trust Constituent Price/Yield and Indicator |
| 8  | Muni Trust Constituent Termination Date          |
| 9  | Pre-Refunding Schedule Amount                    |
| 10 | Pre-Refunding Schedule Price                     |
| 11 | Put Schedule Price                               |
| 12 | Muni Redemption History Schedule                 |
| 13 | Muni Redemption History Amount                   |
| 14 | Muni Redemption History Description              |
| 15 | Muni Redemption History Percent                  |
| 16 | Refunding Issue Base CUSIP                       |
| 17 | Muni Sink Schedule                               |
| 18 | Muni Sink Schedule Price                         |
| 19 | Stepup Coupon Schedule                           |
| 20 | Bond Cash Flow Coupon Amount                     |
| 21 | Bond Cash Flow Date                              |
| 22 | Bond Cash Flow Principal Amount                  |
| 23 | Extraordinary Redemption Types                   |
| 24 | Factor Schedule Date                             |
| 25 | Factor Schedule Factor                           |
| 26 | Muni Original Call Schedule                      |
| 27 | Muni Original Call Schedule Percent              |
| 28 | Potential Variable Modes                         |
| 29 | Refunded Cusips Information                      |
| 30 | Refunding Issue                                  |

## APPENDIX G: KEY RATIOS

Notes: All ratios are provided on an annual basis • \*Includes General Fund, Government-Wide, Total Government Fund and Debt Service Fund s • ^Healthcare may be reported by quarter as well.

| <b>A. Govt Income Statement Ratios*</b>                     | <b>B. Govt Balance Sheet Ratios*</b>                 | <b>B. Govt Balance Sheet Ratios, Cont'd*</b>          |
|---|--|---|
| 1 Property Tax Revenue Growth                               | 1 Accounts Receivable 5 Year Growth                  | 36 GF Tot Liabs & Fund Balances - 3Y Geometric Grwth  |
| 2 Income Tax Revenue Growth                                 | 2 Accounts Receivable Growth                         | 37 Unassigned General Fund to Revenues                |
| 3 Sales and Use Tax Revenue Growth                          | 3 Accounts Payable 5 Year Growth                     | 38 Unassigned General Fund to Expense                 |
| 4 Total Tax Revenues  | 4 Accounts Payable Turnover                          | 39 Total General Fund Balance to Total GF Revenues    |
| 5 Total Operating Expenses - 1 Yr Growth                    | 5 Cash and Marketable Securities                     | 40 Days in Accounts Receivable General Fund           |
| 6 Total Operating Expenses - 3 Year Geometric Growth        | 6 Cash and Short Term Investments                    | 41 Cash to General Fund Revenues                      |
| 7 Income Tax Revenues % of Total Revenues                   | 7 Cash and STI - 3Y Geometric Growth                 | 42 Total Fund Balances to Expenditures                |
| 8 Property Tax Revenues % of Total Revenues                 | 8 Cash to Long Term Debt                             | 43 General Fund Total Liabilities and Fund Balances   |
| 9 Sales Tax Revenues % of Total Revenues                    | 9 Cash to Long Term Debt - 3 Year Geometric Growth   | 44 Inventory 5 Year Growth                            |
| 10 Change in Net Assets - 3 Year Geometric Growth           | 10 Current Assets - 1 Year Growth                    | 45 Inventory Sequential Growth                        |
| 11 3 Year Geometric Growth Net Sales                        | 11 Current Assets - 3 Year Geometric Growth          |   |
| 12 Change in Net Assets per Capita                          | 12 Current Liabilities - 1 Year Growth               | <b>C. Govt Debt Ratios*</b>                           |
| 13 Revenue per Capita                                       | 13 Current Liabilities - 3 Year Geometric Growth     | 1 Short and Long Term Debt                            |
| 14 Total General Fund Tax Revenues                          | 14 Current Tax Collection Rate - 3Y Geometric Growth | 2 GO Debt Outstanding - 3Y Geometric Growth           |
| 15 Total General Fund Tax Revenue Growth                    | 15 Days in Accounts Payable                          | 3 General Obligation Debt as % of Total Tax Revenues  |
| 16 Total GF Tax Revenues - 3 Year Geometric Growth          | 16 Days in Accounts Receivable                       | 4 General Obligation Debt per Capita                  |
| 17 General Fund Revenue Growth                              | 17 Debt Limit - 3 Year Geometric Growth              | 5 Direct Debt to Full Market Value                    |
| 18 Total General Fund Revenues - 3Y Geometric Growth        | 18 Debt Service to Total Operating Expenses          | 6 Direct Debt to Assessed Value                       |
| 19 Excess (Deficiency) Rev Over Expend - 3Y Geo Grwth       | 19 Liabilities - 1 Yr Growth                         | 7 Direct and Overlapping Debt to Assessed Value       |
| 20 GF Tot Other Financing Src & Uses - 3Y Geo Grwth         | 20 Long Term Borrowings - 1 Year Growth              | 8 Direct and Overlapping Debt to Full Market Value    |
| 21 Net Change in Fund Balances - 3Y Geometric Growth        | 21 Net Capital Assets - 3 Year Geometric Growth      | 9 Overlapping Debt to Assessed Value                  |
| 22 General Fund Balance Growth %                            | 22 Net Fixed Assets 1 Year Growth                    | 10 Overlapping Debt to Full Market Value              |
| 23 GF Fund Balances Ending - 3Y Geometric Growth            | 23 Non Current Liabilities                           | 11 Revenue Debt per Capita                            |
| 24 Excess of Revenues to Total General Fund Revenues        | 24 Total Assets - 3 Year Geometric Growth            | 12 Revenue Debt Outstanding - 3 Year Geometric Growth |
| 25 Grants to Total General Fund Revenue                     | 25 Total Assets Growth                               | 13 Total Debt Outstanding - 3 Year Geometric Growth   |
| 26 Transfers into Total General Fund Revenue                | 26 Total Liabilities - 3 Year Geometric Growth       | 14 Total Debt per Capita                              |
| 27 Transfers into General Fund Balance                      | 27 Total Non-Current Assets                          | 15 Total Debt to Assessed Value                       |
| 28 Property Tax Rev % Tot GF Rev - 3Y Geometric Grwth       | 28 Unassigned Fund Bal - 3 Year Geometric Growth     | 16 Total Debt to Full Market Value                    |
| 29 Income Tax Rev % Tot GF Rev - 3Y Geometric Grwth         | 29 Accounts Receivable Turnover                      | 17 Debt Service to Total Revenues                     |
| 30 Sales Tax Rev % Tot GF Rev - 3Y Geometric Grwth          | 30 GF Total Fund Balances - 3Y Geometric Growth      | 18 Component Debt Outstanding 3Y Geometric Growth     |
| 31 Income Tax Revenues % of Total GF Revenues               | 31 Unreserved General Fund to Operating Expense      | 19 Net Direct Debt - 3Y Geometric Growth              |
| 32 Property Tax Revenues % of Total GF Revenues             | 32 Unreserved General Fund to Total General Fund Rev | 20 Total Overlapping Debt - 3Y Geometric Growth       |
| 33 Sales Tax Revenues % of Total GF Revenues                | 33 General Fund Unreserved GF - 3Y Geometric Growth  |   |
| 34 General Fund Municipal Revenues to GF Revenues           | 34 Cash to General Fund Rev - 3Y Geometric Growth    |   |
| 35 Grants to Total General Fund Revenue 3Y Geometric Growth | 35 Total Fund Bal to Expenditures - 3Y Geo Grwth     |   |

**APPENDIX G: KEY RATIOS**

Notes: All ratios are provided on an annual basis • \*Includes General Fund, Government-Wide, Total Government Fund and Debt Service Funds • ^Healthcare may be reported by quarter as well.

**D. Govt Pension Fund Ratios\***

|    |   |
|----|---|
| 1  | Contribution Growth                                   |
| 2  | Investment Income Growth                              |
| 3  | Pension Benefit Payment Growth                        |
| 4  | Pension Funding Ratio                                 |
| 5  | Pension Funding Ratio - 3 Year Geometric Growth       |
| 6  | Pension Annual Required Contrib - 3Y Geo Grwth        |
| 7  | Overfunded (Underfunded) Pens - 3Y Geometric Grwth    |
| 8  | Unfunded AAL to Covered Payroll                       |
| 9  | Other Post-Retirement Funding Ratio                   |
| 10 | Other Post Retirement Funding Ratio - 3Y Geo Grwth    |
| 11 | Overfund (Underfund) Post Ret Bfit - 3Y Geo Grwth     |
| 12 | Workers to Retirees                                   |
| 13 | OPEB Annual Required Contribution 3Y Geometric Growth |

**E. Govt Market and Assessed Values Ratios\***

|    |  |
|----|--|
| 1  | Full Market Value - 3 Year Geometric Growth      |
| 2  | Full Market Value 1 Year Growth                  |
| 3  | Full Market Value 3 Year Geometric Growth        |
| 4  | Full Market Value 5 Year Geometric Growth        |
| 5  | Full Market Value per Capita                     |
| 6  | Assessed Value - 3 Year Geometric Growth         |
| 7  | Assessed Value 1 Year Growth                     |
| 8  | Assessed Value 3 Year Geometric Growth           |
| 9  | Assessed Value 5 Year Geometric Growth           |
| 10 | Assessed Value per Capita                        |
| 11 | Tax Rate per Thousand Assessed Val 3Y Geo Growth |

**F. Revenue Obligors Income Ratios^**

|   |  |
|---|--|
| 1 | Change in Net Assets - 3 Year Geometric Growth |
| 2 | EBIDA  |
| 3 | EBIDA - 3 Year Geometric Growth                |
| 4 | EBIDA Margin                                   |
| 5 | EBIDA Margin - 3 Year Geometric Growth         |
| 6 | EBITDA   |
| 7 | EBITDA - 1 Yr Growth                           |

**F. Revenue Obligors Income Ratios, Cont'd^**

|    |  |
|----|--|
| 8  | Trailing 12M EBITDA Margin                         |
| 9  | Excess (Deficiency) Rev Over Expend - 3Y Geo Grwth |
| 10 | Net Asset Growth                                   |
| 11 | Net Asset Margin                                   |
| 12 | Change in Net Assets - 1 Year Growth               |
| 13 | 3 Year Geometric Growth Net Sales                  |
| 14 | Normalized Profit Margin - 3 Year Geometric Growth |
| 15 | Normalized Profit Margin                           |
| 16 | Operating Income - 1 Yr Growth                     |
| 17 | Operating Income or Losses - 3 Yr Geometric Growth |
| 18 | Operating Margin                                   |
| 19 | Operating Margin - 3 Year Geometric Growth         |
| 20 | Profit Margin                                      |
| 21 | Sales - 1 Year Growth                              |
| 22 | Total Interest Incurred                            |
| 23 | Total Operating Expenses - 1 Yr Growth             |
| 24 | Total Normalized Profit - 3 Year Geometric Growth  |
| 25 | Total Normalized Profit                            |
| 26 | Total Normalized Profit Growth                     |
| 27 | Total Operating Expenses (Income) Ratio            |
| 28 | Total Operating Expenses - 3 Year Geometric Growth |
| 29 | Total Revenue                                      |
| 30 | Total Revenue Growth                               |
| 31 | Operating Income Sequential Growth                 |

**G. Revenue Obligors Balance Sheet Ratios**

|   |                                    |
|---|------------------------------------|
| 1 | Accounts Payable 5 Year Growth     |
| 2 | Accounts Payable 1 Year Growth     |
| 3 | Accounts Payable Sequential Growth |
| 4 | Accounts Payable Turnover          |
| 5 | Accounts Payable Turnover Days     |
| 6 | Accounts Receivable 5 Year Growth  |
| 7 | Accounts Receivable 1 Yr Growth    |
| 8 | Days Sales Outstanding - DSO       |
| 9 | Assets - 1 Year Growth             |

**G. Revenue Obligors Balance Sheet Ratios, Cont'd**

|    |   |
|----|---|
| 10 | Average Age Assets in Years - 3Y Geometric Growth |
| 11 | Average Age of Assets in Years                    |
| 12 | Cash and Short Term Investments                   |
| 13 | Cash and Marketable Securities                    |
| 14 | Cash and STI - 3Y Geometric Growth                |
| 15 | Cash to Long Term Debt                            |
| 16 | Cash to Long Term Debt - 3 Year Geometric Growth  |
| 17 | Current Ratio                                     |
| 18 | Current Assets - 1 Year Growth                    |
| 19 | Current Assets - 3 Year Geometric Growth          |
| 20 | Current Liabilities - 1 Year Growth               |
| 21 | Current Liabilities - 3 Year Geometric Growth     |
| 22 | Current Ratio - 3 Year Geometric Growth           |
| 23 | Days in Accounts Payable                          |
| 24 | Days in Accounts Receivable                       |
| 25 | Days Cash on Hand                                 |
| 26 | Days Cash on Hand - 3 Year Geometric Growth       |
| 27 | Future Min Operating Lease Oblig - 3Y Geo Grwth   |
| 28 | Liabilities - 1 Yr Growth                         |
| 29 | Long Term Borrowings - 1 Year Growth              |
| 30 | Long Term Borrowings - 3 Year Geometric Growth    |
| 31 | LT Unrestricted Invest - 3 Year Geometric Growth  |
| 32 | Net Capital Assets - 3 Year Geometric Growth      |
| 33 | Net Fixed Assets 1 Year Growth                    |
| 34 | Non Current Liabilities                           |
| 35 | Quick Ratio                                       |
| 36 | Quick Ratio - 3 Year Geometric Growth             |
| 37 | Total Capital Leases - 3 Year Geometric Growth    |
| 38 | Total Net Assets to Total Assets Percent          |
| 39 | Total Assets - 3 Year Geometric Growth            |
| 40 | Total Liabilities - 3 Year Geometric Growth       |
| 41 | Total Net Assets - 3 Year Geometric Growth        |
| 42 | Total Net Assets to Revenues                      |
| 43 | Total Net Assets to Total Revenues                |
| 44 | Unrestricted Resources to Debt Ratio              |

## APPENDIX G: KEY RATIOS

Notes: All ratios are provided on an annual basis • \*Includes General Fund, Government-Wide, Total Government Fund and Debt Service Funds • ^Healthcare may be reported by quarter as well.

**G. Revenue Obligors Balance Sheet Ratios, Cont'd**

- 45 Unrestricted Resources to Expense Ratio
- 46 Unrestricted Net Assets - 3 Year Geometric Growth
- 47 Unrestricted Net Assets to Total Assets Percent
- 48 Working Capital
- 49 Debt Service Coverage

**H. Revenue Obligors Debt Ratios**

- 1 Long Term Debt to Capital Assets
- 2 Total Debt 1 Year Growth
- 3 Long Term Debt to Unrestricted Net Assets
- 4 Total Debt to Unrestricted Net Assets
- 5 Total Debt Outstanding - 3 Year Geometric Growth
- 6 Total Short Term Debt
- 7 Long Term Debt to Tot Assets - 3Y Geometric Growth
- 8 Total Short Term Debt - 3 Year Geometric Growth
- 9 Short and Long Term Debt - 3 Year Geometric Growth
- 10 LT Debt to Capital Assets - 3Y Geometric Growth
- 11 Long Term Debt to Cash from Operations
- 12 Total Debt to Total Assets
- 13 LT Debt to Total Assets
- 14 Short and Long Term Debt
- 15 Debt Outstanding to Student Enrollment

**I. Revenue Obligors Cash Flow Ratios**

- 1 CFO to Average Current Liabilities
- 2 Net Change in Cash 1 Year Growth
- 3 Free Cash Flow 1 Year Growth
- 4 Net Change in Cash 5 Year Growth
- 5 Free Cash Flow 5 Year Growth
- 6 Cash from Operations - 3 Year Geometric Growth
- 7 Cash from Investing Act - 3 Year Geometric Growth
- 8 Cash from Financing Act - 3 Year Geometric Growth
- 9 Free Cash Flow
- 10 Capital Expenditures
- 11 CFO to Sales
- 12 Cap Expend to Tot Assets
- 13 Capital Expenditure to Sales
- 14 Capital Expenditure to Depreciation Expense
- 15 Cash Flow - 1 Yr Growth
- 16 Free Cash Flow Margin
- 17 Free Cash Flow Margin 3 Yr Average
- 18 Capital Expenditures Sequential Growth
- 19 Free Cash Flow Sequential Growth
- 20 Net Change in Cash Sequential Growth

**J. Revenue Obligors Pension Ratios**

- 1 Overfunded (Underfunded) Pens - 3Y Geometric Grwth
- 2 Pension Funding Ratio - 3 Year Geometric Growth
- 3 Overfund (Underfund) Post Ret Bfit - 3Y Geo Grwth
- 4 Other Post Retirement Funding Ratio - 3Y Geo Grwth
- 5 Pension Annual Required Contrib - 3Y Geo Grwth
- 6 Unfunded AAL to Covered Payroll
- 7 Workers to Retirees
- 8 Pension Funding Ratio
- 9 Other Post-Retirement Funding Ratio