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Mexico

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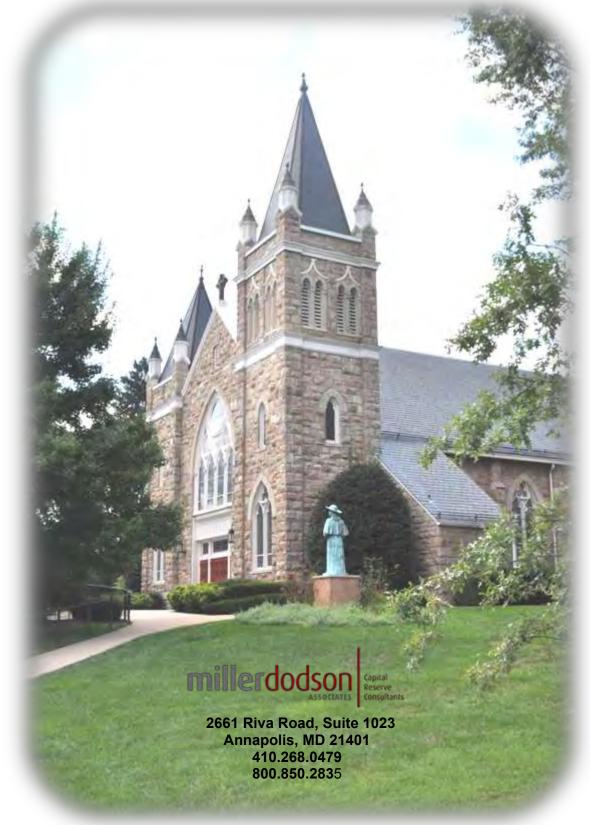








SAMPLE RESERVE STUDY REPORT St. John's Church and School



SAMPLE REPORT

Note: This sample report is based on an actual Replacement Reserve Study conducted for a real facility. Please note, however, that the name, location, results, and other identifying features of this report have been intentionally altered to suit the purpose of a sample and protect the confidentiality of the Client.

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REPLACEMENT RESERVE REPORT

ST. JOHN'S CHURCH AND SCHOOL

CHURCHTON, VIRGINIA



Description. St. John's Church and School is worship and educational facility located in Churchton, Virginia. The facility was constructed between 1959 and 2009. The survey examined the common elements of the property, including:

- Site components
- Sanctuary
- Convent
- · Rectory, House of Ministries, and guest house
- School and Heller Hall
- Gymnasium

Level of Service. This study has been performed as a Level 1 Full Service Reserve Study as defined under the National Reserve Study Standards that have been adopted by the Community Associations Institute. As such, a complete inventory of components was established for the commonly owned elements of this facility based on information provided by the Facility Manager or by quantities that were developed from field measurement or takeoffs from to-scale drawings as performed by the Analyst. The condition of each inventory component was established by the Analyst, based on a visual inspection or review of provided historical data with a major repair or replacement cost for each also set. The included fund status and funding plan have been derived from analysis of this inventory.

Section A

Replacement Reserve Analysis

Executive Summary

Reserve Status & Funding Plan - A1

General Information - A2

Current Funding - A3

Cash Flow Method Funding - A4

Inflation Adjusted Funding - A5

Comments - A6

Section B

Replacement Reserve Inventory

Replacement Reserve Inventory
General information - B1
Replacement Reserve Inventory
Comments - B2
Schedule of Projected Replacements
and Exclusions - B3

Section C

Projected Annual Replacements

Projected Annual Replacements General Information - C1 Reserve Analysis and Inventory Policies, Procedures, and Administration - C2 Calendar of

Projected Annual Replacements - C2

Section D

Condition Assessment

Appendix

Accounting Summary - CF1 Component Method - CM1

Overview, Standard Terms, and Definitions

Video Answers to Frequently Asked Questions



To aid in the understanding of this report and its concepts and practices, on our web site, we have developed <u>videos</u> addressing frequently asked topics. In addition, there are posted <u>links</u> covering a variety of subjects under the resources page of our web site at <u>mdareserves.com</u>.

Purpose. The purpose of this Replacement Reserve Study is to provide St. John's Church and School (hereinafter called the Church) with an inventory of the common community facilities and infrastructure components that require periodic replacement. The Study includes a general view of the condition of these items and an effective financial plan to fund projected periodic replacements.

- Inventory of Items Owned by the Church. Section B lists the Projected Replacements of the commonly owned items that require periodic replacement using funding from Replacement Reserves. The Replacement Reserve Inventory also provides information about excluded items, which are items whose replacements are not scheduled for funding from Replacement Reserves.
- Condition of Items Owned by the Church. Section B includes our estimates of the normal
 economic life and the remaining economic life for the projected replacements. Section C provides a
 year-by-year listing of the projected replacements. Section D provides additional detail for items that
 are unique or deserving of attention because of their condition or the manner in which they have been
 treated in this study.
- **Financial Plan.** The Association has a fiduciary responsibility to protect the appearance, value, and safety of the property and it is therefore essential the Association have a financial plan that provides funding for the projected replacements. In conformance with American Institute of Certified Public Accountant guidelines, Section A, Replacement Reserve Analysis evaluates the current funding of Replacement Reserves as reported by the Association and recommends annual funding of Replacement Reserves by the Cash Flow Method. Section A, Replacement Reserve Analysis includes graphic and tabular presentations of the Association's current funding and the recommended funding based on the Cash Flow Method. An Executive Summary of these calculations is provided on Page A1. The alternative Component Method of funding is provided in the Appendix.

Basis. The data contained in this Replacement Reserve Study is based upon the following:

- The Request for Proposal submitted and executed by the Church.
- Miller Dodson performed a visual evaluation on August 5, 2015 to determine a remaining useful life and replacement cost for the commonly owned elements of this facility.
- This study contains additional recommendations to address inflation for the Cash Flow Method only.
 For this recommendation, Miller Dodson uses the Producers Price Index (PPI), which gauges inflation in manufacturing and construction. Please see page A5 for further details.

To-Scale Drawings. Site and building plans were not used in the development of this study. We recommend the Church assemble and maintain a library of site and building plans of the entire facility. Record drawings should be scanned into an electronic format for safe storage and ease of distribution. Upon request for a nominal fee, Miller - Dodson can provide scanning services.

Current Funding. This reserve study has been prepared for Fiscal Year 2014 covering the period from January 1, 2015 to December 31, 2015. The Replacement Reserves on deposit as of January 1, 2015 are reported to be \$250,000.00. The planned contribution for the fiscal year is \$100,000.

The balance and contribution figures have been supplied by the property management agent and confirmation or audit of these figures is beyond the scope of the study. For the purposes of this study, it is assumed that the annual contribution will be deposited at the end of each month.



Acknowledgement. Miller - Dodson Associates would like to acknowledge the assistance and input of the Facility Manager, who provided very helpful insight into the current operations of the property and guided us on a site tour.

Analyst's Credentials. Mr. James W. Dodson, Jr. holds a Bachelors Degree in Architectural Engineering from the University of Texas and a Masters Degree in Civil Engineering from Stanford University. He has attended the Program for Management Development at Harvard Graduate School of Business. Mr. Dodson has been a Registered Professional Engineer in the State of Texas from 1972 to 1994, and has managed construction projects up to \$100,000,000 in scope for a variety of private sector clients and government employers. He has been certified as a both a Professional Reserve Analyst by APRA and a Reserve Specialist by the CAI. He is a Principal for Miller - Dodson Associates, Inc. In this capacity, he has performed and supervised over 5,000 Reserve Studies for clients of Miller - Dodson Associates.

Respectfully submitted,



James W. Dodson, Jr. PRA, RS Principal





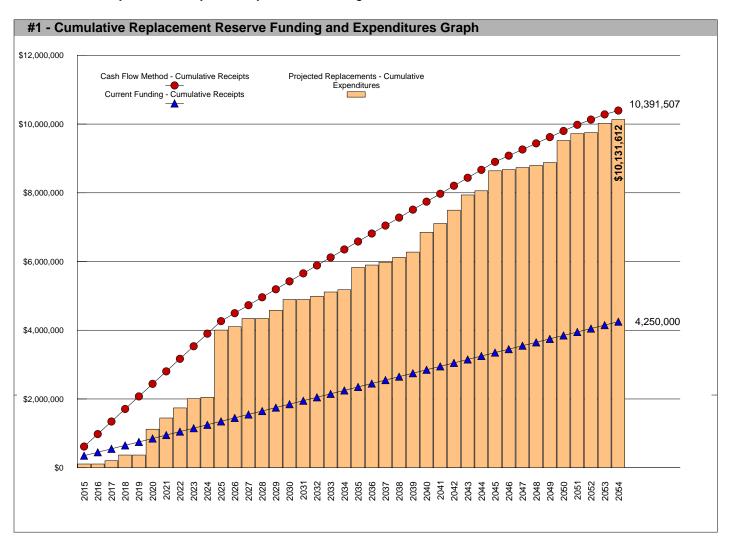
EXECUTIVE SUMMARY

The St John's Church and School Replacement Reserve Analysis uses the Cash Flow Method (CFM) to calculate Replacement Reserve funding for the periodic replacement of the 363 Projected Replacements identified in the Replacement Reserve Inventory.

\$364,991 RECOMMENDED REPLACEMENT RESERVE FUNDING FOR THE STUDY YEAR, 2015

We recommend the Church adopt a Replacement Reserve Funding Plan based on the annual funding recommendation above. Inflation adjusted funding for subsequent years is shown on Page A5.

St John's Church and School reports a Starting Balance of \$250,000 and Annual Funding totaling \$100,000. Current funding is inadequate to fund the \$10,131,612 of Projected Replacements scheduled in the Replacement Reserve Inventory over the 40-year Study Period. See Page A3 for a more detailed evaluation.



The Current Funding Objective as calculated by the Component Method (Fully Funded) is \$2,612,294 making the reserve account 9.6% funded. See the Appendix for more information on this method.



August 5, 2015

REPLACEMENT RESERVE ANALYSIS - GENERAL INFORMATION

The St John's Church and School Replacement Reserve Analysis calculations of recommended funding of Replacement Reserves by the Cash Flow Method and the evaluation of the Current Funding are based upon the same Study Year, Study Period, Beginning Balance, Replacement Reserve Inventory and Level of Service.

2015 | STUDY YEAR

The Church reports that their accounting year begins on January 1, and the Study Year, the first year evaluated by the Replacement Reserve Analysis, begins on January 1, 2015.

40 Years | STUDY PERIOD

The Replacement Reserve Analysis evaluates the funding of Replacement Reserves over a 40-year Study Period.

\$250,000 | STARTING BALANCE

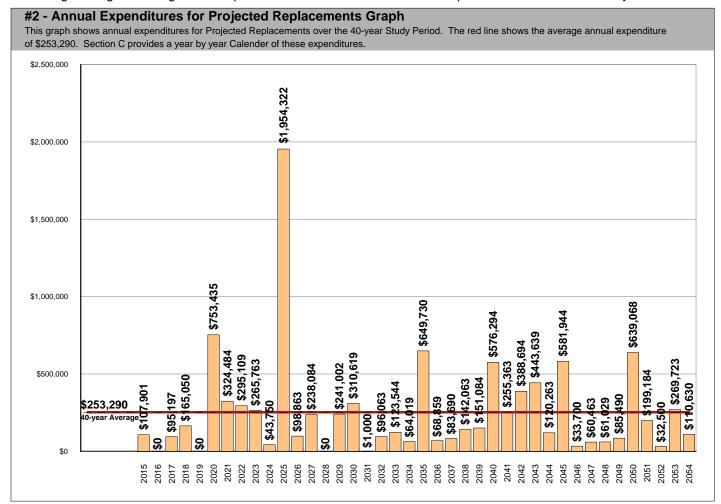
The Church reports Replacement Reserves on Deposit totaling \$250,000 at the start of the Study Year.

Level One | LEVEL OF SERVICE

The Replacement Reserve Inventory has been developed in compliance with the National Reserve Study Standards for a Level One Study, as defined by the Community Associations Institute (CAI).

\$10,131,612 | REPLACEMENT RESERVE INVENTORY - PROJECTED REPLACEMENTS

The St John's Church and School Replacement Reserve Inventory identifies 363 items that will require periodic replacement, that are to be funded from Replacement Reserves. We estimate the cost of these replacements will be \$10,131,612 over the 40-year Study Period. The Projected Replacements are divided into 32 major categories starting on Page B3. Pages B1-B2 provide detailed information on the Replacement Reserve Inventory.





UPDATING

UPDATING OF THE FUNDING PLAN

The Church has a responsibility to review the Funding Plan annually. The review should include a comparison and evaluation of actual reserve funding with recommended levels shown on Page A4 and A5. The Projected Replacements listed on Page C2 should be compared with any replacements accomplished and funded from Replacement Reserves. Discrepancies should be evaluated and if necessary, the Reserve Study should be updated or a new study commissioned. We recommend annual increases in replacement reserve funding to account for the impact of inflation. Inflation Adjusted Funding is discussed on Page A5.

UPDATING OF THE REPLACEMENT RESERVE STUDY

At a minimum, the Replacement Reserve Study should be professionally updated every three to five years or after completion of a major replacement project. Updating should also be considered if during the annual review of the Funding Plan, discrepancies are noted between projected and actual reserve funding or replacement costs. Updating may also be necessary if there is a meaningful discrepancy between the actual inflation rate and the inflation rate used for the Inflation Adjusted Funding of Replacement Reserves on Page A5.

ANNUAL EXPENDITURES AND CURRENT FUNDING

The annual expenditures that comprise the \$10,131,612 of Projected Expenditures over the 40-year Study Period and the impact of the Church continuing to fund Replacement Reserves at the current level are detailed in Table 3.

#3 - Table of Anni	ual Expen	ditures ai	nd Currer	nt Fundin	g Data - \	ears 1 th	rough 40			
Year	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Starting Balance	\$250,000									
Projected Replacements	(\$107,901)		(\$95,197)	(\$165,050)		(\$753,435)	(\$324,484)	(\$295,109)	(\$265,763)	(\$43,750)
Annual Deposit	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
End of Year Balance	\$242,099	\$342,099	\$346,902	\$281,852	\$381,852	(\$271,583)	(\$496,067)	(\$691,176)	(\$856,939)	(\$800,689)
Cumulative Expenditures	(\$107,901)	(\$107,901)	(\$203,098)	(\$368,148)	(\$368,148)	(\$1,121,583)	(\$1,446,067)	(\$1,741,176)	(\$2,006,939)	(\$2,050,689)
Cumulative Receipts	\$350,000	\$450,000	\$550,000	\$650,000	\$750,000	\$850,000	\$950,000	\$1,050,000	\$1,150,000	\$1,250,000
Year	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Projected Replacements	(\$1,954,322)	(\$98,863)	(\$238,084)		(\$241,002)	(\$310,619)	(\$1,000)	(\$96,063)	(\$123,544)	(\$64,019)
Annual Deposit	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
End of Year Balance	(\$2,655,011)	(\$2,653,874)	(\$2,791,958)	(\$2,691,958)	(\$2,832,960)	(\$3,043,579)	(\$2,944,579)	(\$2,940,641)	(\$2,964,186)	(\$2,928,204)
Cumulative Expenditures	(\$4,005,011)	(\$4,103,874)	(\$4,341,958)	(\$4,341,958)	(\$4,582,960)	(\$4,893,579)	(\$4,894,579)	(\$4,990,641)	(\$5,114,186)	(\$5,178,204)
Cumulative Receipts	\$1,350,000	\$1,450,000	\$1,550,000	\$1,650,000	\$1,750,000	\$1,850,000	\$1,950,000	\$2,050,000	\$2,150,000	\$2,250,000
Year	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Projected Replacements	(\$649,730)	(\$68,859)	(\$83,690)	(\$142,063)	(\$151,084)	(\$576,294)	(\$255,363)	(\$388,694)	(\$443,639)	(\$120,263)
Annual Deposit	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
End of Year Balance	(\$3,477,934)	(\$3,446,793)	(\$3,430,483)	(\$3,472,546)	(\$3,523,630)	(\$3,999,924)	(\$4,155,287)	(\$4,443,981)	(\$4,787,619)	(\$4,807,882)
Cumulative Expenditures	(\$5,827,934)	(\$5,896,793)	(\$5,980,483)	(\$6,122,546)	(\$6,273,630)	(\$6,849,924)	(\$7,105,287)	(\$7,493,981)	(\$7,937,619)	(\$8,057,882)
Cumulative Receipts	\$2,350,000	\$2,450,000	\$2,550,000	\$2,650,000	\$2,750,000	\$2,850,000	\$2,950,000	\$3,050,000	\$3,150,000	\$3,250,000
Year	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054
Projected Replacements	(\$581,944)	(\$33,700)	(\$60,463)	(\$61,029)	(\$85,490)	(\$639,068)	(\$199,184)	(\$32,500)	(\$269,723)	(\$110,630)
Annual Deposit	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
End of Year Balance	(\$5,289,826)	(\$5,223,526)	(\$5,183,989)	(\$5,145,017)	(\$5,130,507)	(\$5,669,575)	(\$5,768,760)	(\$5,701,260)	(\$5,870,982)	(\$5,881,612)
Cumulative Expenditures	(\$8,639,826)	(\$8,673,526)	(\$8,733,989)	(\$8,795,017)	(\$8,880,507)	(\$9,519,575)	(\$9,718,760)	(\$9,751,260)	(\$10,020,982)	(\$10,131,612)
Cumulative Receipts	\$3,350,000	\$3,450,000	\$3,550,000	\$3,650,000	\$3,750,000	\$3,850,000	\$3,950,000	\$4,050,000	\$4,150,000	\$4,250,000
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EVALUATION OF CURRENT FUNDING

The evaluation of Current Funding (Starting Balance of \$250,000 & annual funding of \$100,000), is done in today's dollars with no adjustments for inflation or interest earned on Replacement Reserves. The evaluation assumes Replacement Reserves will only be used for the 363 Projected Replacements identified in the Replacement Reserve Inventory and that the Church will continue Annual Funding of \$100,000 throughout the 40-year Study Period.

Annual Funding of \$100,000 is approximately 27 percent of the \$364,991 recommended Annual Funding calculated by the Cash Flow Method for 2015, the Study Year.

Evaluation of the 363 Projected Replacements calculates an average annual expenditure over the next 40 years of \$253,290. Annual funding of \$100,000 is 39 percent of the average annual expenditure.

Our calculations identify funding shortfalls in 35 years of the Study Period with the initial shortfall in 2020. The largest shortfall, \$-5,881,612, occurs in 2044. All shortfalls can be seen and evaluated in Table 3 above.

In summary, Current Funding as reported by the Church and shown above, does not provide adequate funding for the \$10,131,612 of Projected Replacements scheduled in the Replacement Reserve Inventory over the Study Period.

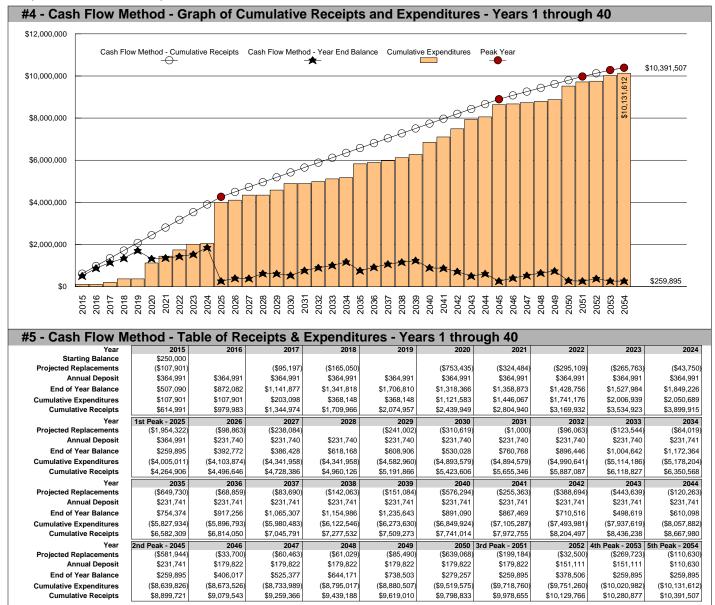


CASH FLOW METHOD FUNDING

\$364,991 RECOMMENDED REPLACEMENT RESERVE FUNDING FOR 2015

Recommended Replacement Reserve Funding has been calculated using the Cash Flow Method (also called the Straight Line or Threshold Method). This method calculates a constant annual funding between peaks in cumulative expenditures, while maintaining a Minimum Balance (threshold) in the Peak Years.

- Peak Years. The First Peak Year occurs in 2025 with Replacement Reserves on Deposit dropping to the Minimum Balance after the completion of \$4,005,011 of replacements from 2015 to 2025. Recommended funding declines from \$364,991 in 2025 to \$231,740 in 2026. Peak Years are identified in Chart 4 and Table 5.
- Minimum Balance. The calculations assume a Minimum Balance of \$259,895 in Replacement Reserves. This is approx. 12 months of average expenditures based on the \$253,290, 40-year average annual expenditure.
- Cash Flow Method Study Period. Cash Flow Method calculates funding for \$10,131,612 of expenditures
 over the 40-year Study Period. It does not include funding for any projects beyond 2054 and in 2054, the end of
 year balance will always be the Minimum Balance.





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INFLATION ADJUSTED FUNDING

The Cash Flow Method calculations on Page A4 have been done in today's dollars with no adjustment for inflation. At Miller + Dodson, we believe that long-term inflation forecasting is effective at demonstrating the power of compounding, not at calculating appropriate funding levels for Replacement Reserves. We have developed this proprietary model to estimate the short-term impact of inflation on Replacement Reserve funding.

\$364,991 2015 - CASH FLOW METHOD RECOMMENDED FUNDING

The 2015 Study Year calculations have been made using current replacement costs (see Page B2), modified by the Analyst for any project specific conditions.

\$383,698 2016 - INFLATION ADJUSTED FUNDING

A new analysis calculates 2016 funding based on three assumptions;

- Replacement Reserves on Deposit totaling \$507,090 on January 1, 2016.
- All 2015 Projected Replacements listed on Page C2 accomplished at a cost to Replacement Reserves less than \$107,901.
- Construction Cost Inflation of 4.50 percent in 2015.

The \$383,698 inflation adjusted funding in 2016 is a 5.13 percent increase over the non-inflation adjusted 2016 funding of \$364,991.

\$405,418 2017 - INFLATION ADJUSTED FUNDING

A new analysis calculates 2017 funding based on three assumptions;

- Replacement Reserves on Deposit totaling \$890,788 on January 1, 2017.
- No Expenditures from Replacement Reserves in 2016.
- Construction Cost Inflation of 4.50 percent in 2016.

The \$405,418 inflation adjusted funding in 2017 is a 11.08 percent increase over the non-inflation adjusted 2017 funding of \$364,991.

\$430,369 2018 - INFLATION ADJUSTED FUNDING

A new analysis calculates 2018 funding based on three assumptions;

- Replacement Reserves on Deposit totaling \$1,192,250 on January 1, 2018.
- All 2017 Projected Replacements listed on Page C2 accomplished at a cost to Replacement Reserves less than \$103,957.
- Construction Cost Inflation of 4.50 percent in 2017.

The \$430,369 inflation adjusted funding in 2018 is a 17.91 percent increase over the non-inflation adjusted funding of \$364,991.

YEAR FIVE & BEYOND

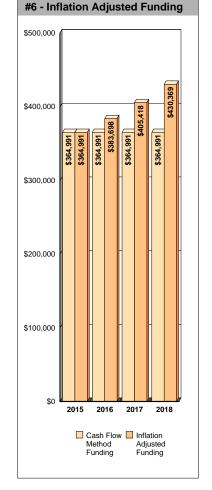
The inflation adjusted funding calculations outlined above are not intended to be a substitute for periodic evaluation of common elements by an experienced Reserve Analyst. Industry Standards, lender requirements, and many state and local statutes require a Replacement Reserve Study be professionally updated every 3 to 5 years.

INFLATION ADJUSTMENT

Prior to approving a budget based upon the 2016, 2017 and 2018 inflation adjusted funding calculations above, the 4.50 percent base rate of inflation used in our calculations should be compared to rates published by the Bureau of Labor Statistics. If there is a significant discrepancy (over 1 percent), contact Miller Dodson + Associates prior to using the Inflation Adjusted Funding.

INTEREST ON RESERVES

The recommended funding calculations do not account for interest earned on Replacement Reserves. In 2015, based on a 1.00 percent interest rate, we estimate the Association may earn \$3,785 on an average balance of \$378,545, \$6,989 on an average balance of \$698,939 in 2016, and \$10,415 on \$1,041,519 in 2017. The Association may elect to attribute 100 percent of the earned interest to Reserves, resulting in a reduction in the 2015 funding from \$364,991 to \$361,206 (a 1.04 percent reduction), \$383,698 to \$376,709 in 2016 (a 1.82 percent reduction), and \$405,418 to \$395,003 in 2017 (a 2.57 percent reduction).





REPLACEMENT RESERVE STUDY - SUPPLEMENTAL COMMENTS

- The Cash Flow Method calculates the minimum annual funding necessary to prevent Replacement Reserves from dropping below the Minimum Balance. Failure to fund at least the recommended levels may result in funding not being available for the Projected Replacements listed in the Replacement Reserve Inventory.
- The accuracy of the Replacement Reserve Analysis is dependent upon expenditures from Replacement Reserves being made ONLY for the 363 Projected Replacements specifically listed in the Replacement Reserve Inventory. The inclusion/exclusion of items from the Replacement Reserve Inventory is discussed on Page B1.



REPLACEMENT RESERVE INVENTORY GENERAL INFORMATION

St John's Church and School - Replacement Reserve Inventory identifies 392 items. Two types of items are identified, Projected Replacements and Excluded Items:

- PROJECTED REPLACEMENTS. 363 of the items are Projected Replacements and the periodic replacements of these items are scheduled for funding from Replacement Reserves. The Projected Replacements have an estimated one-time replacement cost of \$5,197,900. Replacements totaling \$8,057,882 are scheduled in the Replacement Reserve Inventory over the 30-year Study Period.
 - Projected Replacements are the replacement of commonly-owned physical assets that require periodic replacement and whose replacement is to be funded from Replacement Reserves.
- EXCLUDED ITEMS. 29 of the items are Excluded Items, and expenditures for these items are NOT scheduled for funding from Replacement Reserves. The accuracy of the calculations made in the Replacement Reserve Analysis is dependent on expenditures NOT being made for Excluded Items. The Excluded Items are listed in the Replacement Reserve Inventory to identify specific items and categories of items that are not to be funded from Replacement Reserves. There are multiple categories of items that are typically excluded from funding by Replacement Reserves, including but not limited to:

Tax Code. The United States Tax Code grants very favorable tax status to Replacement Reserves, conditioned on expenditures being made within certain guidelines. These guidelines typically exclude maintenance activities, minor repairs and capital improvements.

Value. Items with a replacement cost of less that \$1,000 and/or a normal economic life of less than 3 years are typically excluded from funding from Replacement Reserves. This exclusion should reflect Church policy on the administration of Replacement Reserves. If the Church has selected an alternative level, it will be noted in the Replacement Reserve Inventory - General Comments on Page B2.

Long-lived Items. Items that when properly maintained, can be assumed to have a life equal to the property as a whole, are typically excluded from the Replacement Reserve Inventory.

Unit improvements. Items owned by a single unit and where the items serve a single unit are generally assumed to be the responsibility of that unit, not the Church.

Other non-common improvements. Items owned by the local government, public and private utility companies, the United States Postal Service, Master Associations, state and local highway authorities, etc., may be installed on property that is owned by the Church. These types of items are generally not the responsibility of the Church and are excluded from the Replacement Reserve Inventory.

The rationale for the exclusion of an item from funding by Replacement Reserves is discussed in more detail in the 'Comments' sections of the Section B - Replacement Reserve Inventory.

- CATEGORIES. The 392 items included in the St John's Church and School Replacement Reserve Inventory are divided into 32 major categories. Each category is printed on a separate page, Pages B3 to B34.
- LEVEL OF SERVICE. This Replacement Reserve Inventory has been developed in compliance with the standards established for a Level One Study - Full Service, as defined by the National Reserve Study Standards, established in 1998 by Community Associations Institute, which states:

A Level I - Full Service Reserve Study includes the computation of complete component inventory information regarding commonly owned components provided by the Association, quantities derived from field measurements and/or quantity takeoffs from to-scale engineering drawings that may be made available. The condition of all components is ascertained from a visual inspection of each component by the analyst. The remaining economic life and the value of the components are provided based on these observations and the funding status and funding plan are then derived from analysis of this data.



REPLACEMENT RESERVE INVENTORY - GENERAL INFORMATION (cont'd)

• INVENTORY DATA. Each of the 363 Projected Replacements listed in the Replacement Reserve Inventory includes the following data:

Item Number. The Item Number is assigned sequentially and is intended for identification purposes only.

Item Description. We have identified each item included in the Inventory. Additional information may be included in the Comments section at the bottom of each page of the Inventory.

Units. We have used standard abbreviations to identify the number of units including SF-square feet, LF-lineal feet, SY-square yard, LS-lump sum, EA-each, and PR-pair. Non-standard abbreviations are noted in the Comments section at the bottom of the page.

Number of Units. The methods used to develop the quantities are discussed in "Level of Service" above.

Unit Replacement Cost. We use four sources to develop the unit cost data shown in the Inventory; actual replacement cost data provided by the client, information provided by local contractors and suppliers, industry standard estimating manuals, and a cost database we have developed based upon our detailed interviews with contractors and service providers who are specialists in their respective lines of work.

Normal Economic Life (Yrs). The number of years that a new and properly installed item should be expected to remain in service.

Remaining Economic Life (Yrs). The estimated number of years before an item will need to be replaced. In "normal" conditions, this could be calculated by subtracting the age of the item from the Normal Economic Life of the item, but only rarely do physical assets age "normally". Some items may have longer or shorter lives depending on many factors such as environment, initial quality of the item, maintenance, etc.

Total Replacement Cost. This is calculated by multiplying the Unit Replacement Cost by the Number of Units.

Each of the 29 Excluded Items includes the Item Description, Units, and Number of Units. Many of the Excluded Items are listed as a 'Lump Sum' with a quantity of 1. For the Excluded Items, this indicates that all of the items identified by the 'Item Description' are excluded from funding by Replacement Reserves.

- REVIEW OF EXPENDITURES. This Replacement Reserve Study should be reviewed by an accounting professional representing the Church prior to implementation.
- PARTIAL FUNDING. Items may have been included in the Replacement Reserve Inventory at less than 100 percent of their full quantity and/or replacement cost. This is done on items that will never be replaced in their entirety, but which may require periodic replacements over an extended period of time. The assumptions that provide the basis for any partial funding are noted in the Comments section.
- REMAINING ECONOMIC LIFE GREATER THAN 40 YEARS. The calculations do not include funding for initial replacements beyond 40 years. These replacements are included in this Study for tracking and evaluation. They should be included for funding in future Studies, when they enter the 40-year window.



August 5, 2015 11545502ST JOHN'15

ITEM DESCRIPTION	UNIT	NUMBER OF UNITS	UNIT REPLACEMENT COST (\$)	NORMAL ECONOMIC LIFE (YRS)	REMAINING ECONOMIC LIFE (YRS)	REPLACEM COS
Pavement, mill and overlay	sf	87,475	\$1.90	18	10	\$166,2
Pavement, rejuvenator seal coat	sf	87,475	\$0.23	6	6	\$20,1
Parking bumpers	ea	6	\$250.00	18	10	\$1,5
Concrete curb and gutter (20% allowance)	ft	264	\$35.70	54	10	\$9,4
Concrete curb and gutter (20% allowance)	ft	264	\$35.70	54	28	\$9,4
Concrete curb and gutter (20% allowance)	ft	264	\$35.70	54	46	\$9,4
Concrete curb	ft	590	\$31.50	54	10	\$18,5
Asphalt curb	ft	140	\$4.20	18	10	\$5
Concrete flatwork (6%)	sf	657	\$9.00	60	none	\$5,9
Concrete flatwork (6%)	sf	657	\$9.00	60	6	\$5,9
Concrete flatwork (6%)	sf	657	\$9.00	60	12	\$5,9
Concrete flatwork (6%)	sf	657	\$9.00	60	18	\$5,9
Concrete flatwork (6%)	sf	657	\$9.00	60	24	\$5,9
Concrete flatwork (6%)	sf	657	\$9.00	60	30	\$5,9
Concrete flatwork (6%)	sf	657	\$9.00	60	36	\$5,9
Concrete flatwork (6%)	sf	657	\$9.00	60	42	\$5,9
Concrete flatwork (6%)	sf	657	\$9.00	60	48	\$5,9
Concrete flatwork (6%)	sf	657	\$9.00	60	54	\$5,9
	Pavement, mill and overlay Pavement, rejuvenator seal coat Parking bumpers Concrete curb and gutter (20% allowance) Concrete curb Asphalt curb Concrete flatwork (6%)	Pavement, mill and overlay sf Pavement, rejuvenator seal coat sf Parking bumpers ea Concrete curb and gutter (20% allowance) ft Concrete curb and gutter (50% allowance) ft Concrete curb ft Asphalt curb ft Concrete flatwork (6%) sf	DESCRIPTION UNIT OF UNITS Pavement, mill and overlay sf 87,475 Pavement, rejuvenator seal coat sf 87,475 Parking bumpers ea 6 Concrete curb and gutter (20% allowance) ft 264 Concrete curb and gutter (20% allowance) ft 264 Concrete curb and gutter (20% allowance) ft 590 Asphalt curb ft 140 Concrete flatwork (6%) sf 657 Concrete flatwork (6%) sf 657	DESCRIPTION UNIT OF UNITS COST (\$) Pavement, mill and overlay sf 87,475 \$1.90 Pavement, rejuvenator seal coat sf 87,475 \$0.23 Parking bumpers ea 6 \$250.00 Concrete curb and gutter (20% allowance) ft 264 \$35.70 Concrete curb and gutter (20% allowance) ft 264 \$35.70 Concrete curb and gutter (20% allowance) ft 264 \$35.70 Concrete curb and gutter (20% allowance) ft 264 \$35.70 Concrete curb and gutter (20% allowance) ft 264 \$35.70 Concrete curb and gutter (20% allowance) ft 264 \$35.70 Concrete curb and gutter (20% allowance) ft 264 \$35.70 Concrete curb and gutter (20% allowance) ft 264 \$35.70 Concrete flatwork (6%) sf 657 \$9.00 Concrete flatwork (6%) sf 657 \$9.00 Concrete flatwork (6%) sf 657 \$9.00 Concrete flatwo	DESCRIPTION UNIT OF UNITS COST (S) LIFE (YRS) Pavement, mill and overlay sf 87,475 \$1.90 18 Pavement, rejuvenator seal coat sf 87,475 \$0.23 6 Parking bumpers ea 6 \$250.00 18 Concrete curb and gutter (20% allowance) ft 264 \$35.70 54 Concrete curb and gutter (20% allowance) ft 264 \$35.70 54 Concrete curb and gutter (20% allowance) ft 264 \$35.70 54 Concrete curb ft 590 \$31.50 54 Asphalt curb ft 140 \$4.20 18 Concrete flatwork (6%) sf 657 \$9.00 60 Concrete flatwork (6%) sf 657 \$9.00 60<	DESCRIPTION UNIT OF UNITS COST (S) LIFE (YRS) LIFE (YRS) Pavement, mill and overlay sf 87,475 \$1.90 18 10 Parking bumpers ea 6 \$250.00 18 10 Concrete curb and gutter (20% allowance) ft 264 \$35.70 54 10 Concrete curb and gutter (20% allowance) ft 264 \$35.70 54 28 Concrete curb and gutter (20% allowance) ft 264 \$35.70 54 46 Concrete curb and gutter (20% allowance) ft 264 \$35.70 54 46 Concrete curb and gutter (20% allowance) ft 264 \$35.70 54 46 Concrete curb and gutter (20% allowance) ft 264 \$35.70 54 46 Concrete curb and gutter (20% allowance) ft 264 \$35.70 54 46 Concrete curb and gutter (20% allowance) ft 264 \$35.70 54 46 Concrete flatwork (6%) sf 657

SITE COMPONENTS

COMMENTS



	E COMPONENTS (CONT.) ECTED REPLACEMENTS						
ITEM #	ITEM DESCRIPTION	UNIT	NUMBER OF UNITS	UNIT REPLACEMENT COST (\$)	NORMAL ECONOMIC LIFE (YRS)	REMAINING ECONOMIC LIFE (YRS)	REPLACEMENT COST (\$)
19	Concrete site stairs (full set)	ea	1	\$1,200.00	30	25	\$1,200
20	Lamp post	ea	6	\$1,500.00	30	15	\$9,000
21	Lamp post head	ea	6	\$450.00	15	2	\$2,700
22	Brick retaining wall (25% re-set and repoint)	sf	104	\$9.50	10	5	\$988
23	Concrete retaining wall, replacement (at scho	c ft	800	\$100.00	54	none	\$80,000
24	Concrete stairs (full set)	ea	1	\$1,800.00	30	none	\$1,800
25	Concrete retaining wall, replacement (at scho	c ft	600	\$100.00	54	53	\$60,000
26	Concrete stairs (full set)	ea	2	\$1,800.00	30	30	\$3,600
27	Stone retaining, 10% re-set	sf	120	\$10.00	10	none	\$1,200
28	Stone retaining, replacement	sf	1,200	\$65.00	54	10	\$78,000

50

830

83

ft

ft

ft

SITE COMPONENTS (CONT.) - Replacement Costs - Subtotal \$311,793

\$80.00

\$80.00

\$35.00

10

30

30

10

20

15

\$4,000

\$66,400

\$2,905

SITE COMPONENTS (CONT.) COMMENTS

Wood privacy fence w/ gate

8' Metal fencing, replacement

8' Metal fencing (10% allowance)

30



EM	ITEM DESCRIPTION	UNIT	NUMBER OF UNITS	UNIT REPLACEMENT COST (\$)	NORMAL ECONOMIC LIFE (YRS)	REMAINING ECONOMIC LIFE (YRS)	REPLACEN COS
32	Metal railing (20% allowance)	lf	20	\$25.00	25	none	\$5
33	Metal railing (20% allowance)	If	20	\$25.00	25	5	\$!
34	Metal railing (20% allowance)	If	20	\$25.00	25	10	\$
35	Metal railing (20% allowance)	If	20	\$25.00	25	15	\$
36	Metal railing (20% allowance)	lf	20	\$25.00	25	20	\$
37	Wood sign	sf	16	\$100.00	10	10	\$1,6
38	Storm Water Management (allowance \$1	,000/ Is	1	\$9,000.00	30	15	\$9,0
39	Foundation plantings (allowance)	Is	1	\$2,000.00	3	3	\$2,0
40	Tot lot, mulch	sf	12,750	\$0.35	3	2	\$4,
41	Tot lot, playset	ea	4	\$4,500.00	10	5	\$18,
42	Tot lot, jungle gym	ea	2	\$2,400.00	10	5	\$4,8
43	Tot lot, swing	ea	2	\$1,200.00	10	5	\$2,4
44	Tot lot, PTL border	ft	290	\$9.00	10	5	\$2,0
45	Tot lot, fence	ft	280	\$35.00	25	10	\$9,8
46	Genie lift	ea	1	\$18,000.00	10	10	\$18,0

SITE	COMPONENTS	(CONT.)
COMME	ENTS	,



	CTUARY ECTED REPLACEMENTS						
EM #	ITEM DESCRIPTION	UNIT	NUMBER OF UNITS	UNIT REPLACEMENT COST (\$)	NORMAL ECONOMIC LIFE (YRS)	REMAINING ECONOMIC LIFE (YRS)	REPLACEMENT COST (\$)
47	Slate shingle roofing	sf	16,500	\$15.20	60	10	\$250,800
48	Built-up roofing	sf	2,200	\$6.50	20	10	\$14,300
49	8" roof scuppers and downspouts	ft	770	\$16.00	30	10	\$12,320
50	Stone exterior repoint (10% allowance)	sf	1,811	\$15.00	25	10	\$27,168
51	Caulking (allowance)	ls	1	\$4,500.00	5	5	\$4,500
52	Exterior door (allowance)	Is	1	\$10,000.00	10	10	\$10,000
53	Windows (3' x 4')	ea	9	\$540.00	35	5	\$4,860
54	Windows (3' x 6')	ea	4	\$540.00	35	5	\$2,160
55	Windows (3' x 6')	ls	1	\$5,000.00	35	5	\$5,000
56	Stained glass restoration (allowance)	ls	1	\$100,000.00	100	38	\$100,000
57	Stained glass ventilators (allowance)	ls	1	\$10,000.00	10	10	\$10,000
58	Exterior building lights	ea	6	\$450.00	15	5	\$2,700

SANCTUARY - Replacement Costs - Subtotal \$443,808

SANCTUARY

COMMENTS

- For stained glass we have estimate an allowance for minimal replacements due to the sentimental value and art value included in the installations.
- The stained glass replaement value estimated at \$900,000 to \$1,100,000 based on industry standard cost for design, fabrication and installation.
- It is unlikely that the Church will elect to replace the stained glass in the lifetime of the Church and it is
- therefore a long life exclusion.



ΞM #	ITEM DESCRIPTION	UNIT	NUMBER OF UNITS	UNIT REPLACEMENT COST (\$)	NORMAL ECONOMIC LIFE (YRS)	REMAINING ECONOMIC LIFE (YRS)	REPLACEMEN COST (
59	Interior painting (allowance)	Is	1	\$10,000.00	3	3	\$10,00
60	Organ, restoration (allowance)	ea	1	\$28,000.00	5	2	\$28,00
61	Pendant fixture, refurbish	ea	24	\$450.00	25	10	\$10,80
62	Private restroom, renovation	ea	2	\$2,602.00	25	10	\$5,20
63	Interior door (allowance)	Is	1	\$10,000.00	10	5	\$10,00
64	Exit sign	ea	8	\$125.00	25	10	\$1,00
65	Fire Alarm Control Panel	ea	1	\$10,200.00	20	5	\$10,20
66	Fire Alarm Booster Panel	ea	1	\$1,500.00	20	5	\$1,50
67	Water heater	ea	1	\$1,000.00	15	10	\$1,00
68	Electrical (allowance)	ea	1	\$5,000.00	15	15	\$5,00

SANCTUARY	(CONT.)
COMMENTS	



August 5, 2015 11545502ST JOHN'15

	CTUARY (CONT.) ECTED REPLACEMENTS						
ITEM #	ITEM DESCRIPTION	UNIT	NUMBER OF UNITS	UNIT REPLACEMENT COST (\$)	NORMAL ECONOMIC LIFE (YRS)	REMAINING ECONOMIC LIFE (YRS)	REPLACEMENT COST (\$)
69	Exhaust fan (15,000 cfm)	ea	2	\$1,500.00	20	10	\$3,000
70	Fan/coil unit (120,000 btu)	ea	2	\$10,400.00	14	3	\$20,800
71	Condensing Unit (25 ton)	ea	1	\$20,800.00	24	3	\$20,800
72	Fan/coil unit (45,000 btu)	ea	2	\$6,500.00	24	3	\$13,000
73	Condensing Unit (15 ton)	ea	1	\$20,800.00	24	3	\$20,800
74	Fan/coil unit (45,000 btu)	ea	2	\$6,500.00	24	3	\$13,000
75	Compressor (2 ton)	ea	2	\$3,200.00	24	20	\$6,400
76	Fan/coil unit (45,000 btu)	ea	1	\$6,500.00	14	3	\$6,500
77	Compressor (3 ton)	ea	2	\$3,200.00	14	3	\$6,400
78	Boiler, (1,700 MBH)	ea	1	\$20,000.00	20	3	\$20,000
79	AHU (cfm)	ea	2	\$5,000.00	30	11	\$10,000

SANCTUARY (CONT.) - Replacement Costs - Subtotal \$140,700

SANCTUARY (CONT.) COMMENTS



August 5, 2015 11545502ST JOHN'15

	CTUARY (CONT.) ECTED REPLACEMENTS						
ITEM #	ITEM DESCRIPTION	UNIT	NUMBER OF UNITS	UNIT REPLACEMENT COST (\$)	NORMAL ECONOMIC LIFE (YRS)	REMAINING ECONOMIC LIFE (YRS)	REPLACEMENT COST (\$)
80	CCTV system	ea	1	\$2,850.00	15	10	\$2,850
81	A/V Design/Integration	ea	1	\$2,500.00	10	5	\$2,500
82	Wireless receiver	ea	1	\$450.00	10	5	\$450
83	Lapel microphone	ea	4	\$150.00	10	5	\$600
84	4 CH. mixer	ea	1	\$199.00	10	5	\$199
85	400 W power amp	ea	1	\$300.00	10	5	\$300
86	CD/MP3	ea	1	\$350.00	10	5	\$350
87	Power control	ea	1	\$250.00	10	5	\$250
88	Hearing aid system	ea	1	\$1,548.96	10	5	\$1,549
89	Cabling	ea	1	\$3,000.00	10	5	\$3,000
90	Wall mount speaker	ea	20	\$200.00	10	5	\$4,000
91	Loudspeaker	ea	2	\$800.00	10	5	\$1,600
92	Ceiling speaker	ea	6	\$200.00	10	5	\$1,200
93	DVR	ea	10	\$450.00	15	5	\$4,500
94	Hard drive	ea	1	\$400.00	15	5	\$400
95	Hearing aid adapter	ea	1	\$1,029.00	15	5	\$1,029

SANCTUARY (CONT.) - Replacement Costs - Subtotal \$24,777

SANCTUARY (CONT.) COMMENTS



August 5, 2015 11545502ST JOHN'15

	ECTED REPLACEMENTS			UNIT	NORMAL	REMAINING	
ITEM #	ITEM DESCRIPTION	UNIT	NUMBER OF UNITS	REPLACEMENT COST (\$)	ECONOMIC LIFE (YRS)	ECONOMIC LIFE (YRS)	REPLACEMENT COST (\$
96	Built-up roof	sf	1,864	\$6.00	30	5	\$11,184
97	Membrane roof w/ insulation	sf	2,844	\$6.50	20	none	\$18,486
98	8" roof scuppers and downspouts	If	595	\$16.00	30	15	\$9,520
99	Roof hatch	sf	16	\$105.00	35	5	\$1,680
100	Brick veneer repoint (10% allowance)	sf	955	\$9.00	25	5	\$8,595
101	Caulking (allowance)	ls	1	\$4,500.00	5	5	\$4,500
102	Exterior door (allowance)	Is	1	\$10,000.00	10	5	\$10,000
103	Exterior building lights	ea	2	\$200.00	5	5	\$400
104	Windows (4' x 6')	ea	37	\$1,080.00	35	10	\$39,960
105	Windows (18" x 3')	ea	2	\$200.00	35	10	\$400
106	Windows (24"X48") stained glass cover	ea	16	\$450.00	35	10	\$7,20

CONVENT - Replacement Costs - Subtotal \$111,925

CONVENTCOMMENTS



August 5, 2015 11545502ST JOHN'15

\$214,470

EM #	ITEM DESCRIPTION	UNIT	NUMBER OF UNITS	UNIT REPLACEMENT COST (\$)	NORMAL ECONOMIC LIFE (YRS)	REMAINING ECONOMIC LIFE (YRS)	REPLACEMEN COST (
107	Renovation (phase 1)	sf	2,460	\$19.00	20	18	\$46,74
801	Renovation (phase 2)	sf	2,460	\$19.00	20	19	\$46,74
109	Renovation (phase 3)	sf	2,460	\$19.00	20	20	\$46,74
10	Piano, restoration (upright)	ea	2	\$2,500.00	10	10	\$5,00
11	Small restroom w/shower, renovation	ea	6	\$6,000.00	20	10	\$36,00
12	Interior door (allowance)	Is	1	\$10,000.00	10	10	\$10,00
13	Laundry room appliances	Is	1	\$2,000.00	10	10	\$2,00
14	Chapel (ceiling spot lighting)	ea	20	\$250.00	10	10	\$5,00
15	Chapel (sound system)	ea	1	\$3,550.00	10	10	\$3,55
16	Overhead doors	ea	1	\$2,500.00	25	10	\$2,50
17	Fire Alarm System	ls	1	\$10,200.00	20	5	\$10,20
		10	·	Ψ10,200.00	20	v	Ψ10,

CONVENT (CONT.) - Replacement Costs - Subtotal

CONVENT	(CONT.)
COMMENTS	



August 5, 2015 11545502ST JOHN'15

ΞM #	ITEM DESCRIPTION	UNIT	NUMBER OF UNITS	UNIT REPLACEMENT COST (\$)	NORMAL ECONOMIC LIFE (YRS)	REMAINING ECONOMIC LIFE (YRS)	REPLACEME COST
18	Domestic water piping (allowance)	ls	1	\$4,000.00	10	10	\$4,00
19	Water heater (boiler)	ea	1	\$2,000.00	15	11	\$2,0
20	Boiler buddy	ea	1	\$2,000.00	14	11	\$2,0
21	Electrical	ea	1	\$5,000.00	15	10	\$5,0
22	Exhaust fan (15,000 cfm)	ea	2	\$1,500.00	20	10	\$3,0
23	Self-contained unit	ea	1	\$4,500.00	14	10	\$4,5
24	Fan/coil unit (45,000 btu)	ea	1	\$6,500.00	24	5	\$6,5
25	Compressor (3 ton)	ea	1	\$6,500.00	12	5	\$6,5
26	Fan/coil unit (45,000 btu)	ea	1	\$6,500.00	24	5	\$6,5
27	Compressor (3 ton)	ea	1	\$6,500.00	12	5	\$6,5
28	Fan/coil unit (45,000 btu)	ea	1	\$6,500.00	24	5	\$6,5
29	Compressor (3 ton)	ea	1	\$6,500.00	12	5	\$6,5
30	Fan/coil unit (30,000 btu)	ea	1	\$3,200.00	24	5	\$3,2
31	Compressor (2 ton)	ea	1	\$3,200.00	12	5	\$3,2
32	Boiler, (1,000 MBH)	ea	1	\$20,000.00	20	5	\$20,0

CONVENT (CONT.) - Replacement Costs - Subtotal \$85,900

CONVENT (CONT.)
COMMENTS



August 5, 2015 11545502ST JOHN'15

	VENT (CONT.) ECTED REPLACEMENTS						
ITEM	ITEM		NUMBER	UNIT REPLACEMENT	NORMAL ECONOMIC	REMAINING ECONOMIC	REPLACEMENT
#	DESCRIPTION	UNIT	OF UNITS	COST (\$)	LIFE (YRS)	LIFE (YRS)	COST (\$)
133	Countertop and Basin	ft	20	\$400.00	20	10	\$8,000
134	Kitchen flooring	sf	400	\$3.00	20	10	\$1,200
135	Refrigeration	ea	2	\$1,800.00	20	10	\$3,600
136	Wall cabinet	ft	15	\$300.00	20	10	\$4,500
137	Dishwasher	ea	1	\$800.00	20	10	\$800
138	Range/Oven	ea	1	\$800.00	20	10	\$800

CONVENT (CONT.) - Replacement Costs - Subtotal

\$18,900

CONVENT (CONT.) COMMENTS

SCHOOL - Replacement Costs - Subtotal

St John's Church and School

August 5, 2015 11545502ST JOHN'15

\$494,551

EM #	ITEM DESCRIPTION	UNIT	NUMBER OF UNITS	UNIT REPLACEMENT COST (\$)	NORMAL ECONOMIC LIFE (YRS)	REMAINING ECONOMIC LIFE (YRS)	REPLACEMEN COST (
139	Slate shingle	sf	21,627	\$15.20	60	10	\$328,73
140	Membrane roof	sf	4,020	\$6.50	20	5	\$26,13
141	Gutters and downspouts (8")	lf	132	\$8.00	20	5	\$1,05
142	8" roof scuppers and downspouts	lf	700	\$16.00	30	15	\$11,20
143	Brick veneer repoint (10% allowance)	sf	1,400	\$15.00	25	10	\$21,00
144	Caulking (allowance)	ls	1	\$4,500.00	5	5	\$4,50
145	Exterior door (allowance)	Is	1	\$10,000.00	10	10	\$10,00
146	Wood trim (allowance)	Is	1	\$5,000.00	5	5	\$5,00
147	Windows (3' x 7')	ea	71	\$945.00	35	10	\$67,09
148	Glass block	sf	8	\$450.00	50	40	\$3,60
149	Windows (4' x 4')	ea	22	\$720.00	35	10	\$15,84
150	Exterior building lights	ea	2	\$200.00	15	5	\$40

SCHOOL
COMMENTS



EM #	ITEM DESCRIPTION	UNIT	NUMBER OF UNITS	UNIT REPLACEMENT COST (\$)	NORMAL ECONOMIC LIFE (YRS)	REMAINING ECONOMIC LIFE (YRS)	REPLACEMEN COST (
151	School/Classroom renovation (phase 1)	sf	12,500	\$19.00	20	5	\$237,50
52	School/Classroom renovation (phase 2)	sf	12,500	\$19.00	20	6	\$237,50
153	School/Classroom renovation (phase 3)	sf	12,500	\$19.00	20	7	\$237,50
154	School/Classroom renovation (phase 4)	sf	12,500	\$19.00	20	8	\$237,50
155	Blinds	ea	50	\$200.00	20	10	\$10,00
156	Teacher kitchenette renovation	ea	1	\$14,466.00	25	10	\$14,46
157	Private restroom, renovation	ea	2	\$2,602.00	25	10	\$5,20
158	Standard restroom, renovation	ea	2	\$10,000.00	25	10	\$20,00
159	Education restroom, renovation	ea	2	\$10,350.00	25	15	\$20,70
160	Music room flooring	sf	704	\$4.25	7	7	\$2,99
161	Music room ceiling	sf	704	\$4.25	7	7	\$2,99
162	Smoke detector	ea	14	\$250.00	25	10	\$3,50
163	Fire strobe	ea	2	\$125.00	25	10	\$25
164	Fire alarm pull	ea	10	\$125.00	25	10	\$1,25
65	Interior door (allowance)	ls	1	\$10,000.00	10	10	\$10,00
66	Exit sign	ea	6	\$125.00	25	10	\$75
167	Fire Alarm Control Annunciator Panel	ea	1	\$10,200.00	20	5	\$10,20
68	Fire Alarm Booster Panel	ea	1	\$1,500.00	20	5	\$1,50

SCHOOL	(CONT.)
COMMENTS	



EM #	ITEM DESCRIPTION	UNIT	NUMBER OF UNITS	UNIT REPLACEMENT COST (\$)	NORMAL ECONOMIC LIFE (YRS)	REMAINING ECONOMIC LIFE (YRS)	REPLACEMEN COST (
169	Domestic water piping (allowance)	ls	1	\$4,000.00	10	10	\$4,00
70	Water heater	ea	1	\$8,500.00	15	5	\$8,50
171	Electrical (allowance)	ea	1	\$5,000.00	15	10	\$5,00
172	Exhaust fan (15,000 cfm)	ea	2	\$1,500.00	20	10	\$3,00
173	Fan/coil unit (75,000 btu)	ea	1	\$10,400.00	24	24	\$10,40
74	Compressor (5 ton)	ea	1	\$10,400.00	24	24	\$10,40
75	Fan/coil unit (30,000 btu)	ea	1	\$3,200.00	24	24	\$3,20
76	Compressor (2 ton)	ea	1	\$3,200.00	24	24	\$3,20
177	Fan/coil unit (20,000 btu)	ea	2	\$3,200.00	24	24	\$6,40
178	Compressor (1.5 ton)	ea	2	\$3,200.00	24	24	\$6,40
179	Fan/coil unit (60,000 btu)	ea	2	\$10,400.00	24	24	\$20,80
180	Carrier 50ss048	ea	2	\$6,500.00	12	12	\$13,00
181	Boiler Glycol system	ea	1	\$2,000.00	20	10	\$2,00
182	Boiler, (1,700 MBH)	ea	2	\$20,000.00	20	10	\$40,00
183	Water Heater	ea	2	\$8,500.00	14	11	\$17,00
184	Pass-thru fan/coil unit	ea	2	\$1,500.00	14	10	\$3,00
		S	CHOOL (CO	NT.) - Replacem	ent Costs -	Subtotal	\$156,30

SCHOOL	(CONT.)
COMMENTS	



August 5, 2015 11545502ST JOHN'15

	OOL (CONT.) ECTED REPLACEMENTS						
ITEM #	ITEM DESCRIPTION	UNIT	NUMBER OF UNITS	UNIT REPLACEMENT COST (\$)	NORMAL ECONOMIC LIFE (YRS)	REMAINING ECONOMIC LIFE (YRS)	REPLACEMENT COST (\$)
185	Accessibility lift	ea	1	\$20,000.00	15	5	\$20,000
186	Sump pump	ea	1	\$2,500.00	10	10	\$2,500
187	Access Control System (ACS)	ea	1	\$6,604.00	15	10	\$6,604
188	CCTV system	ea	1	\$2,850.00	15	10	\$2,850
189	Dumpster pad	sf	400	\$10.00	20	15	\$4,000
190	Cafeteria flooring	sf	1,250	\$3.00	30	15	\$3,750
191	Commercial refrigeration	ea	2	\$3,500.00	15	15	\$7,000
192	Cabinets and counter top	ft	20	\$450.00	30	15	\$9,000
193	Exhaust hood	sf	1	\$8,000.00	30	15	\$8,000
194	Ice machine	ea	1	\$3,500.00	15	15	\$3,500
195	Kitchen flooring	sf	800	\$3.00	30	15	\$2,400
196	Range	ea	1	\$10,000.00	20	15	\$10,000
197	Folding cafeteria table	ea	12	\$1,000.00	20	10	\$12,000
198	Food Warmer Box	ea	2	\$500.00	20	14	\$1,000

SCHOOL (CONT.) - Replacement Costs - Subtotal \$92,604

SCHOOL (CONT.)
COMMENTS



August 5, 2015 11545502ST JOHN'15

	IOOL (CONT.) ECTED REPLACEMENTS						
ITEM #	ITEM DESCRIPTION	UNIT	NUMBER OF UNITS	UNIT REPLACEMENT COST (\$)	NORMAL ECONOMIC LIFE (YRS)	REMAINING ECONOMIC LIFE (YRS)	REPLACEMENT COST (\$)
199	Fan/coil unit, (18,000 btu) classroom	ea	14	\$3,500.00	24	12	\$49,000
200	Compressor (2.5 ton)	ea	2	\$3,200.00	24	5	\$6,400
201	Compressor (2.5 ton)	ea	2	\$3,200.00	24	5	\$6,400
202	Compressor (2.5 ton)	ea	1	\$3,200.00	24	5	\$3,200
203	Compressor (2 ton)	ea	2	\$3,200.00	24	5	\$6,400
204	Compressor (5 ton)	ea	3	\$10,400.00	24	5	\$31,200
205	Compressor (2 ton)	ea	3	\$3,200.00	24	5	\$9,600
206	Compressor (2 ton)	ea	1	\$3,200.00	24	5	\$3,200

SCHOOL (CONT.) - Replacement Costs - Subtotal \$115,400

SCHOOL (CONT.)
COMMENTS



uilt-up roof ' Gutters and downspouts oof hatch rick veneer repoint (10% allowance)	sf If sf	6,860 450 16	\$6.50 \$8.00 \$105.00	20 20 35	2	\$44,59 \$3,60
oof hatch	sf					\$3,60
		16	\$105.00	35		
rick veneer repoint (10% allowance)				33	20	\$1,68
	sf	816	\$9.00	25	2	\$7,34
aulking (allowance)	ls	1	\$4,500.00	5	2	\$4,50
xterior door (allowance)	ls	1	\$10,000.00	10	10	\$10,00
/indows (4' x 8')	ea	8	\$1,440.00	35	10	\$11,52
(indows (3' x 8')	ea	46	\$1,080.00	35	10	\$49,68
xterior building lights	ea	2	\$200.00	15	5	\$40
linds	ea	18	\$200.00	20	18	\$3,60
СТ	lf	5,236	\$3.30	14	5	\$17,2
terior painting (allowance)	ls	1	\$10,000.00	3	3	\$10,00
iano, restoration (upright)	ea	1	\$5,000.00	10	10	\$5,00
/ / / / / / / / / / / / / / / / / / /	indows (4' x 8') indows (3' x 8') eterior building lights inds CT terior painting (allowance)	indows (4' x 8') indows (3' x 8') ea etterior building lights ea ea CT If terior painting (allowance)	indows (4' x 8') indows (3' x 8') ea 46 ea 46 eterior building lights ea 2 inds ea 18 ea 1	indows (4' x 8') indows (3' x 8') ea	indows (4' x 8') indows (3' x 8') ea	indows (4' x 8') indows (3' x 8') ea

HELLER	HAL	L
COMMENTS		



ΞM #	ITEM DESCRIPTION	UNIT	NUMBER OF UNITS	UNIT REPLACEMENT COST (\$)	NORMAL ECONOMIC LIFE (YRS)	REMAINING ECONOMIC LIFE (YRS)	REPLACEME COST
20	Private restroom, renovation	ea	1	\$2,602.00	25	10	\$2,6
21	Standard restroom, renovation	ea	2	\$10,000.00	25	10	\$20,0
22	Interior door (allowance)	ls	1	\$10,000.00	10	10	\$10,0
23	Auditorium (ceiling lighting)	ea	20	\$250.00	15	10	\$5,0
24	Exit sign	ea	4	\$125.00	25	10	\$5
25	Interior door (allowance)	Is	1	\$10,000.00	10	10	\$10,0
26	Ceiling speakers	ea	4	\$200.00	25	15	\$8
27	Domestic water piping (allowance)	Is	1	\$4,000.00	10	10	\$4,0
28	Water heater	ea	1	\$2,000.00	15	5	\$2,0
29	Electrical (allowance)	ea	1	\$5,000.00	15	15	\$5,0
30	Exhaust fan (15,000 cfm)	ea	2	\$1,500.00	14	8	\$3,0
31	Fan/coil unit (225,000 BTU)	ea	1	\$10,400.00	24	12	\$10,4
32	Compressor (15 ton)	ea	1	\$20,800.00	12	8	\$20,8
33	Fan/coil unit (45,000 BTU)	ea	8	\$6,500.00	24	23	\$52,0
34	Compressor (3 ton)	ea	8	\$6,500.00	12	11	\$52,0
35	Compressor (5 ton)	ea	1	\$10,400.00	12	11	\$10,4

HELLER	HALL	(CONT.)
COMMENTS		•



EM #	ITEM DESCRIPTION	UNIT	NUMBER OF UNITS	REPLACEMENT COST (\$)	NORMAL ECONOMIC LIFE (YRS)	REMAINING ECONOMIC LIFE (YRS)	REPLACEME COST
36	Boiler, (1,700 MBH)	ea	1	\$20,000.00	20	15	\$20,00
37	Water Heater	ea	1	\$1,000.00	30	11	\$1,0
38	A/V system	ea	1	\$13,397.96	10	10	\$13,3
39	A/V Design/Integration	ea	1	\$2,500.00	10	10	\$2,5
40	4 CH. mixer	ea	1	\$199.00	10	10	\$1
41	400 W power amp	ea	1	\$300.00	10	10	\$3
42	CD/MP3	ea	1	\$350.00	10	10	\$3
43	Power control	ea	1	\$250.00	10	10	\$2
44	Cabling	ea	1	\$3,000.00	10	10	\$3,0
45	Speakers	ea	8	\$200.00	10	10	\$1,6
46	Stackable chair (metal frame, plastic)	ea	80	\$48.00	10	10	\$3,8
47	6' round banquet table	ea	10	\$265.00	10	10	\$2,6
48	8' rectangle table	ea	10	\$190.00	10	10	\$1,9
49	Kitchen flooring	sf	728	\$3.00	20	14	\$2,1
50	Commercial Refrigeration	ea	1	\$3,200.00	20	14	\$3,2
51	Ice Machine	ea	1	\$1,500.00	20	14	\$1,5
52	Exhaust hood w/ suppression	ea	1	\$8,800.00	20	14	\$8,8
53	Cabinets and countertop	ft	20	\$400.00	20	14	\$8,0
54	Commercial Range	ea	1	\$10,000.00	20	14	\$10,0

HELLER	HALL	(CONT.)
COMMENTS		•



August 5, 2015 11545502ST JOHN'15

EM #	ITEM DESCRIPTION	UNIT	NUMBER OF UNITS	UNIT REPLACEMENT COST (\$)	NORMAL ECONOMIC LIFE (YRS)	REMAINING ECONOMIC LIFE (YRS)	REPLACEMEI COST
55	Asphalt shingle	sf	18,862	\$4.25	25	10	\$80,16
56	Gutters and downspouts	lf	1,060	\$6.00	20	10	\$6,36
57	Brick veneer repoint (10% allowance)	sf	668	\$15.00	25	10	\$10,02
58	Caulking (allowance)	Is	1	\$4,500.00	5	5	\$4,50
59	Exterior door (allowance)	Is	1	\$10,000.00	10	10	\$10,00
60	Wood trim (allowance)	ls	1	\$5,000.00	5	5	\$5,00
61	Corrugated metal awning	sf	2,400	\$8.00	50	35	\$19,20
62	Windows (3' x 3')	ea	12	\$405.00	35	20	\$4,80
63	Windows (4' x 6')	ea	7	\$850.00	35	20	\$5,9
64	Windows (4' x 3')	ea	7	\$450.00	35	20	\$3,1
:65	Windows (2' x 2')	ea	2	\$450.00	35	20	\$9
66	Exterior building lights, small	ea	2	\$125.00	15	5	\$2
67	Exterior building lights, large	ea	4	\$300.00	15	5	\$1,2
68	Walkway lights, recessed	ea	10	\$200.00	15	5	\$2,0
			GYMNAS	SIUM - Replacem	ent Costs -	- Subtotal	\$153,5

GYMNASIUM

COMMENTS



August 5, 2015 11545502ST JOHN'15

ITEM #	ITEM DESCRIPTION	UNIT	NUMBER OF UNITS	UNIT REPLACEMENT COST (\$)	NORMAL ECONOMIC LIFE (YRS)	REMAINING ECONOMIC LIFE (YRS)	REPLACEMEN COST (S
269	Conference Center, renovation	sf	1,400	\$19.00	20	5	\$26,600
270	Interior painting (allowance)	Is	1	\$10,000.00	3	3	\$10,000
271	Gymnasium flooring restoration	sf	7,000	\$0.50	3	3	\$3,500
272	Private restroom, renovation	ea	2	\$2,602.00	25	10	\$5,20
273	Standard restroom, renovation	ea	2	\$10,000.00	25	10	\$20,00
274	Shower room, tbd	ea	2	\$9,000.00	25	10	\$18,00
275	Interior door (allowance)	ls	1	\$10,000.00	10	10	\$10,00
276	Gymnasium (ceiling down light)	ea	32	\$450.00	10	10	\$14,40
277	Gymnasium (ceiling spot lighting)	ea	20	\$450.00	10	10	\$9,00
278	Emergency lights	ea	10	\$125.00	25	10	\$1,25
279	Exit sign	ea	10	\$125.00	25	10	\$1,25
280	Fire Alarm Control Panel	ea	1	\$10,200.00	20	5	\$10,20
281	Fire Alarm, booster panel	ea	1	\$1,500.00	20	5	\$1,50
282	Fire sprinkler compressor for dry pipe	ea	1	\$750.00	20	10	\$75
283	Fire sprinkler system (allowance)	ea	1	\$10,000.00	20	10	\$10,00
284	Smoke detector	ea	40	\$250.00	25	10	\$10,00
285	Fire strobe	ea	12	\$125.00	25	10	\$1,50
286	Fire alarm pull	ea	6	\$125.00	25	10	\$75

GYMNASIUM (CONT.) COMMENTS

Sample

ITEM DESCRIPTION	UNIT	NUMBER OF UNITS	UNIT REPLACEMENT COST (\$)	NORMAL ECONOMIC LIFE (YRS)	REMAINING ECONOMIC LIFE (YRS)	REPLACEME COST
Emergency lights	ea	6	\$125.00	25	10	\$75
Domestic water piping (allowance)	ls	1	\$4,000.00	10	5	\$4,00
Water heater	ea	1	\$1,000.00	15	5	\$1,0
Exhaust fan (15,000 cfm)	ea	1	\$1,500.00	20	10	\$1,5
Electrical (allowance)	ls	1	\$5,000.00	15	5	\$5,0
Fan/coil unit (75,000 btu)	ea	2	\$10,400.00	24	14	\$20,8
Compressor (5 ton)	ea	2	\$10,400.00	24	14	\$20,8
Condensing Unit (25 ton)	ea	2	\$20,800.00	24	14	\$41,6
AHU w/ coil (200,000 btu)	ea	2	\$20,800.00	20	5	\$41,6
Unit Heater (150,000 btu)	ea	2	\$6,500.00	20	5	\$13,0
Water Heater	ea	1	\$800.00	15	5	\$8
Access Control System (ACS)	ea	1	\$6,604.00	15	5	\$6,6
Camera	ea	12	\$450.00	15	5	\$5,4
CCTV system	ea	1	\$2,850.00	15	5	\$2,8
	Emergency lights Domestic water piping (allowance) Water heater Exhaust fan (15,000 cfm) Electrical (allowance) Fan/coil unit (75,000 btu) Compressor (5 ton) Condensing Unit (25 ton) AHU w/ coil (200,000 btu) Unit Heater (150,000 btu) Water Heater Access Control System (ACS) Camera	Emergency lights ea Domestic water piping (allowance) ls Water heater ea Exhaust fan (15,000 cfm) ea Electrical (allowance) ls Fan/coil unit (75,000 btu) ea Compressor (5 ton) ea AHU w/ coil (200,000 btu) ea Unit Heater (150,000 btu) ea Water Heater ea Access Control System (ACS) ea Camera ea	Description UNIT OF UNITS Emergency lights ea 6 Domestic water piping (allowance) Is 1 Water heater ea 1 Exhaust fan (15,000 cfm) ea 1 Electrical (allowance) Is 1 Fan/coil unit (75,000 btu) ea 2 Compressor (5 ton) ea 2 Condensing Unit (25 ton) ea 2 AHU w/ coil (200,000 btu) ea 2 Unit Heater (150,000 btu) ea 2 Water Heater ea 1 Access Control System (ACS) ea 1 Camera 12	TEM DESCRIPTION DINIT DESCRIPTION DINITS REPLACEMENT COST (\$)	NUMBER NUMBER COST (\$) ECONOMIC	NUMBER REPLACEMENT ECONOMIC LIFE (YRS) ECONOMIC LIFE (YRS)

GYMNASIUM	(CONT.)
COMMENTS	



August 5, 2015 11545502ST JOHN'15

	GYMNASIUM (CONT.) PROJECTED REPLACEMENTS												
ITEM #	ITEM DESCRIPTION	UNIT	NUMBER OF UNITS	UNIT REPLACEMENT COST (\$)	NORMAL ECONOMIC LIFE (YRS)	REMAINING ECONOMIC LIFE (YRS)	REPLACEMENT COST (\$)						
301	A/V system	ea	1	\$13,397.96	15	15	\$13,398						
302	Projector and screen	ea	1	\$6,500.00	15	15	\$6,500						
303	Folding table	ea	2	\$1,200.00	20	20	\$2,400						
304	Bleachers	ft	160	\$400.00	20	20	\$64,000						
305	Scoreboard system	ea	1	\$5,000.00	20	20	\$5,000						
306	Concrete pad	sf	360	\$9.50	20	18	\$3,420						

GYMNASIUM (CONT.) - Replacement Costs - Subtotal \$94,718

GYMNASIUM (CONT.) COMMENTS



August 5, 2015 11545502ST JOHN'15

ΞM #	ITEM DESCRIPTION	UNIT	NUMBER OF UNITS	UNIT REPLACEMENT COST (\$)	NORMAL ECONOMIC LIFE (YRS)	REMAINING ECONOMIC LIFE (YRS)	REPLACEMEN COST (\$
07	Asphalt shingle	sf	2,994	\$4.25	25	20	\$12,725
80	Garage, Asphalt shingle	sf	1,640	\$4.25	25	20	\$6,97
09	Built-up roof	sf	3,200	\$6.50	20	10	\$20,80
10	Gutters and downspouts	If	321	\$6.00	20	14	\$1,92
11	Soffit, vinyl	sf	200	\$5.70	25	14	\$1,14
12	Siding, painted aluminum, restoration	sf	3,600	\$3.00	10	10	\$10,80
13	Garage door	ea	2	\$2,000.00	15	14	\$4,00
14	Windows (3' x 5')	ea	44	\$675.00	35	14	\$29,70
15	Carpet	sf	2,500	\$4.25	7	7	\$10,62
16	VCT	If	1,000	\$3.30	14	14	\$3,30
17	Interior painting (allowance)	ls	1	\$4,000.00	3	3	\$4,00
18	Small restroom, renovation	ea	2	\$4,500.00	20	10	\$9,00
19	Wood flooring restoration	sf	500	\$0.50	3	3	\$25
20	Private restroom, renovation	ea	4	\$2,602.00	25	10	\$10,40

RECTORY - Replacement Costs - Subtotal \$125,644

RECTORY COMMENTS



August 5, 2015 11545502ST JOHN'15

\$100,454

EM #	ITEM DESCRIPTION	UNIT	NUMBER OF UNITS	UNIT REPLACEMENT COST (\$)	NORMAL ECONOMIC LIFE (YRS)	REMAINING ECONOMIC LIFE (YRS)	REPLACEMI COST
21	Fan/coil unit (45,000 btu)	ea	2	\$6,500.00	24	12	\$13,0
22	Compressor (3 ton)	ea	2	\$3,200.00	24	12	\$6,4
23	Fan/coil unit (30,000 btu)	ea	2	\$3,200.00	24	12	\$6,4
24	Compressor (2 ton)	ea	2	\$3,200.00	24	12	\$6,4
25	Fan/coil unit (75,000 btu)	ea	2	\$10,400.00	24	12	\$20,8
26	Compressor (5 ton)	ea	1	\$10,400.00	14	12	\$10,4
27	Boiler, (50 MBH)	ea	1	\$10,000.00	20	14	\$10,0
28	Water Heater	ea	1	\$8,500.00	15	15	\$8,5
29	Access Control System (ACS)	ea	1	\$6,604.00	15	10	\$6,6
30	CCTV system	ea	1	\$2,850.00	15	10	\$2,8
31	Countertop and Basin	ft	20	\$150.00	20	14	\$3,0
32	Kitchen flooring	sf	300	\$3.00	20	14	\$9
33	Refrigeration	ea	1	\$1,800.00	20	14	\$1,8
34	Enclosed base cabinet	ea	10	\$200.00	20	14	\$2,0
35	Dishwasher	ea	1	\$700.00	20	14	\$7
36	Range	ea	1	\$700.00	20	14	\$7

RECTORY (CONT.) - Replacement Costs - Subtotal

RECTORY (CONT.) COMMENTS



August 5, 2015 11545502ST JOHN'15

EM ≢	ITEM DESCRIPTION	UNIT	NUMBER OF UNITS	UNIT REPLACEMENT COST (\$)	NORMAL ECONOMIC LIFE (YRS)	REMAINING ECONOMIC LIFE (YRS)	REPLACEME COST
37	Asphalt shingle	sf	2,563	\$4.25	25	20	\$10,89
38	Gutters and downspouts	lf	360	\$6.00	20	20	\$2,16
39	Soffit, vinyl	sf	220	\$5.70	25	20	\$1,2
10	Siding, vinyl	sf	3,520	\$5.70	25	20	\$20,00
1	Garage door	ea	2	\$2,000.00	25	20	\$4,00
12	Carpet	sf	2,000	\$4.25	7	7	\$8,5
13	Interior painting (allowance)	ls	1	\$4,000.00	3	3	\$4,0
4	Small restroom w/shower, renovation	ea	2	\$2,500.00	20	10	\$5,0
15	Emergency lights	ea	10	\$125.00	25	10	\$1,2
16	Water heater (80 gal.)	ea	1	\$2,500.00	15	5	\$2,5
17	Compressor (2 ton)	ea	1	\$3,200.00	24	23	\$3,2
18	Compressor (5 ton)	ea	2	\$10,400.00	24	14	\$20,8
19	Fan/coil unit (60,000 btu)	ea	2	\$6,500.00	14	6	\$13,0
0	Fan/coil unit (30,000 btu)	ea	1	\$3,200.00	14	6	\$3,2
51	Sump pump	ea	1	\$1,000.00	10	6	\$1,0
		HOUSE	OF MANUSTR	RIES - Replacem			\$100,8

HOUSE O)F	MIN	IST	RIES
COMMENTS				



August 5, 2015 11545502ST JOHN'15

	JSE OF MINISTRIES (CONT.) ECTED REPLACEMENTS						
ITEM #	ITEM DESCRIPTION	UNIT	NUMBER OF UNITS	UNIT REPLACEMENT COST (\$)	NORMAL ECONOMIC LIFE (YRS)	REMAINING ECONOMIC LIFE (YRS)	REPLACEMENT COST (\$)
352	Access Control System (ACS)	ea	1	\$6,604.00	15	10	\$6,604
353	CCTV system	ea	1	\$2,850.00	15	10	\$2,850
354	Kitchen flooring	sf	250	\$3.00	20	14	\$750
355	Commercial Refrigeration	ea	1	\$1,800.00	20	14	\$1,800
356	Cabinet and countertop	ft	20	\$250.00	20	14	\$5,000
357	Commercial Range	ea	1	\$750.00	20	14	\$750
358	ADA ramp	sf	240	\$22.00	20	14	\$5,280

 $\mbox{HOUSE OF MINISTRIES (CONT.) - Replacement Costs - Subtotal} \\$

\$23,034

HOUSE OF MINISTRIES (CONT.) COMMENTS



August 5, 2015 11545502ST JOHN'15

	MISC. PROJECTED REPLACEMENTS												
ITEM	ITEM		NUMBER	UNIT	NORMAL	REMAINING ECONOMIC	DEDI ACEMENT						
#	DESCRIPTION	UNIT	OF UNITS	REPLACEMENT COST (\$)	ECONOMIC LIFE (YRS)	LIFE (YRS)	REPLACEMENT COST (\$)						
359	Allowance for Steeple Cross	ea	1	\$10,000.00	60	5	\$10,000						
360	Allowance for Church Pew Restoration	ea	1	\$75,000.00	60	10	\$75,000						
361	Guest house, asphalt shingle	sf	886	\$4.25	25	20	\$3,766						
362	Guest house, gutters and downspouts	lf	120	\$6.00	20	10	\$720						
363	Guest house, siding	If	1,920	\$5.70	25	10	\$10,944						

MISC. - Replacement Costs - Subtotal

\$100,430

MISC.
COMMENTS



August 5, 2015 11545502ST JOHN'15

	VALUATION EXCLUSIONS EXCLUDED ITEMS UNIT NORMAL REMAINING										
ITEM #	ITEM DESCRIPTION	UNIT	NUMBER OF UNITS	REPLACEMENT COST (\$)	ECONOMIC LIFE (YRS)	ECONOMIC LIFE (YRS)	REPLACEMENT COST (\$)				
	Site lighting fixtures	ls	1				EXCLUDED				
	Property identification signage	Is	1				EXCLUDED				
	Miscellaneous signage	Is	1				EXCLUDED				
	Bench	Is	1				EXCLUDED				
	Picnic table	ls	1				EXCLUDED				
	BBQ	Is	1				EXCLUDED				
	Handrail	Is	1				EXCLUDED				
	Window unit	ls	1				EXCLUDED				

VALUATION EXCLUSIONS

COMMENTS

- Valuation Exclusions. For ease of administration of the Replacement Reserves and to reflect accurately how Replacement Reserves are administered, items with a dollar value less than \$1,000.00 have not been scheduled for funding from Replacement Reserves. Examples of items excluded from funding by Replacement Reserves by this standard are listed above.
- The list above exemplifies exclusions by the cited standard(s) and is not intended to be comprehensive.



EM #	ITEM DESCRIPTION	UNIT	NUMBER OF UNITS	UNIT REPLACEMENT COST (\$)	NORMAL ECONOMIC LIFE (YRS)	REMAINING ECONOMIC LIFE (YRS)	REPLACEMENT COST (\$)
#		ls	0F UNITS	COST (\$)	LIFE (TRS)	LIFE (TRS)	,
	Masonry features	_	l 4				EXCLUDED
	Exterior brick veneer	ls	1				EXCLUDED
	Exterior stone veneer	ls	1				EXCLUDED
	Building foundation(s)	ls	1				EXCLUDED
	Concrete floor slabs (interior)	ls	1				EXCLUDED
	Wall, floor, & roof structure	Is	1				EXCLUDED
	Electrical wiring	Is	1				EXCLUDED
	Baseboard heat units	Is	1				EXCLUDED
	Furniture	Is	1				EXCLUDED
	Terrazzo flooring	Is	1				EXCLUDED
	Tile flooring	Is	1				EXCLUDED
	Bell tower	ls	1				EXCLUDED
	Sanctuary doors	Is	1				EXCLUDED
	Masonry fascia	Is	1				EXCLUDED
	Break metal trim	ls	1				EXCLUDED

LONG-LIFE EXCLUSIONS

COMMENTS

- Long Life Exclusions. Components that when properly maintained, can be assumed to have a life equal to the property as a whole, are normally excluded from the Replacement Reserve Inventory. Examples of items excluded from funding by Replacement Reserves by this standard are listed above.
- Exterior masonry is generally assumed to have an unlimited economic life but periodic repointing is required and we have included this for funding in the Replacement Reserve Inventory.
- The list above exemplifies exclusions by the cited standard(s) and is not intended to be comprehensive.



August 5, 2015 11545502ST JOHN'15

_	UTILITY EXCLUSIONS EXCLUDED ITEMS											
ITEM #	ITEM DESCRIPTION	UNIT	NUMBER OF UNITS	UNIT REPLACEMENT COST (\$)	NORMAL ECONOMIC LIFE (YRS)	REMAINING ECONOMIC LIFE (YRS)	REPLACEMENT COST (\$)					
	Primary electric feeds	ls	1				EXCLUDED					
	Electric transformers	Is	1				EXCLUDED					
	Cable TV systems and structures	Is	1				EXCLUDED					
	Telephone cables and structures	Is	1				EXCLUDED					
	Site lighting	Is	1				EXCLUDED					
	Gas mains and meters	Is	1				EXCLUDED					
	Water mains and meters	Is	1				EXCLUDED					
	Sanitary sewers	ls	1				EXCLUDED					

UTILITY EXCLUSIONS

COMMENTS

 Utility Exclusions. Many improvements owned by utility companies are on property owned by the Association. We have assumed that repair, maintenance, and replacements of these components will be done at the expense of the appropriate utility company. Examples of items excluded from funding Replacement Reserves by this standard are listed above.

• The list above exemplifies exclusions by the cited standard(s) and is not intended to be comprehensive.



August 5, 2015 11545502ST JOHN'15

	NTENANCE AND REPAIR EXCLU	SIONS			Nonw	DELLANING	
ITEM #	ITEM DESCRIPTION	UNIT	NUMBER OF UNITS	UNIT REPLACEMENT COST (\$)	NORMAL ECONOMIC LIFE (YRS)	REMAINING ECONOMIC LIFE (YRS)	REPLACEMENT COST (\$)
	Cleaning of asphalt pavement	ls	1				EXCLUDED
	Crack sealing of asphalt pavement	ls	1				EXCLUDED
	Painting of curbs	ls	1				EXCLUDED
	Striping of parking spaces	ls	1				EXCLUDED
	Numbering of parking spaces	Is	1				EXCLUDED
	Landscaping and site grading	ls	1				EXCLUDED

MAINTENANCE AND REPAIR EXCLUSIONS COMMENTS

- Maintenance activities, one-time-only repairs, and capital improvements. These activities are NOT appropriately funded from Replacement Reserves. The inclusion of such component in the Replacement Reserve Inventory could jeopardize the special tax status of ALL Replacement Reserves, exposing the Association to significant tax liabilities. We recommend that the Board of Directors discuss these exclusions and Revenue Ruling 75-370 with a Certified Public Accountant.
- Examples of items excluded from funding by Replacement Reserves by this standard are listed above.
- The list above exemplifies exclusions by the cited standard(s) and is not intended to be comprehensive.



PROJECTED ANNUAL REPLACEMENTS GENERAL INFORMATION

CALENDAR OF ANNUAL REPLACEMENTS. The 363 Projected Replacements in the St John's Church and School Replacement Reserve Inventory whose replacement is scheduled to be funded from Replacement Reserves are broken down on a year-by-year basis, beginning on Page C2.

REPLACEMENT RESERVE ANALYSIS AND INVENTORY POLICIES, PROCEDURES, AND ADMINISTRATION

- REVISIONS. Revisions will be made to the Replacement Reserve Analysis and Replacement Reserve Inventory
 in accordance with the written instructions of the Board of Directors. No additional charge is incurred for the
 first revision, if requested in writing within three months of the date of the Replacement Reserve Study. It is our
 policy to provide revisions in electronic (Adobe PDF) format only.
- TAX CODE. The United States Tax Code grants favorable tax status to a common interest development (CID) meeting certain guidelines for their Replacement Reserve. If a CID files their taxes as a 'Corporation' on Form 1120 (IRC Section 277), these guidelines typically require maintenance activities, partial replacements, minor replacements, capital improvements, and one-time only replacements to be excluded from Reserves. A CID cannot co-mingle planning for maintenance activities with capital replacement activities in the Reserves (Revenue Ruling 75-370). Funds for maintenance activities and capital replacements activities must be held in separate accounts. If a CID files taxes as an "Exempt Homeowners Association" using Form 1120H (IRC Section 528), the CID does not have to segregate these activities. However, because the CID may elect to change their method of filing from year to year within the Study Period, we advise using the more restrictive approach. We further recommend that the CID consult with their Accountant and consider creating separate and independent accounts and reserves for large maintenance items, such as painting.
- CONFLICT OF INTEREST. Neither Miller Dodson Associates nor the Reserve Analyst has any prior or existing relationship with this Church which would represent a real or perceived conflict of interest.
- RELIANCE ON DATA PROVIDED BY THE CLIENT. Information provided by an official representative of the Church regarding financial, physical conditions, quality, or historical issues is deemed reliable.
- INTENT. This Replacement Reserve Study is a reflection of the information provided by the Church and the visual evaluations of the Analyst. It has been prepared for the sole use of the Church and is not for the purpose of performing an audit, quality/forensic analyses, or background checks of historical records.
- PREVIOUS REPLACEMENTS. Information provided to Miller Dodson Associates regarding prior replacements is considered to be accurate and reliable. Our visual evaluation is not a project audit or quality inspection.
- EXPERIENCE WITH FUTURE REPLACEMENTS. The Calendar of Annual Projected Replacements, lists replacements we have projected to occur over the next thirty years, begins on Page C2. Actual experience in replacing the items may differ significantly from the cost estimates and time frames shown because of conditions beyond our control. These differences may be caused by maintenance practices, inflation, variations in pricing and market conditions, future technological developments, regulatory actions, acts of God, and luck. Some items may function normally during our visual evaluation and then fail without notice.
- REVIEW OF THE REPLACEMENT RESERVE STUDY. For this study to be effective, it should be reviewed by the St John's Church and School Board of Directors, those responsible for the management of the items included in the Replacement Reserve Inventory, and the accounting professionals employed by the Church.



August 5, 2015 11545502ST JOHN'15

PROJECTED REPLACEMENTS - STUDY YEAR - 2015

#	Description	\$	#	Description	\$ #	Description	\$
9	Concrete flatwork (6%)	\$5,915					
23	Concrete retaining wall, repl	\$80,000					
24	Concrete stairs (full set)	\$1,800					
27	Stone retaining, 10% re-set	\$1,200					
32	Metal railing (20% allowance	\$500					
97	Membrane roof w/ insulation	\$18,486					
51	Wellibrane roof W/ Insulation	φ10,400					
					Total Sale	dulad Daniasamanta	¢107.004
					i otai Sche	duled Replacements	\$107,901



August 5, 2015 11545502ST JOHN'15 St John's Church and School

		YEAR	2 - PRO	JECTED REPLA	CEMENTS	- 2016		
#	Description	\$	#	Description	\$	#	Description	\$
						No Sci	neduled Replacements	



August 5, 2015 11545502ST JOHN'15

YEAR 3 - PROJECTED REPLACEMENTS - 2017

#	Description	\$	#	Description	\$ #	Description	\$
21	Lamp post head	\$2,700					
40 60	Tot lot, mulch Organ, restoration (allowanc	\$4,463 \$28,000					
207	Built-up roof	\$44,590					
208	8" Gutters and downspouts	\$3,600					
210	Brick veneer repoint (10% al	\$7,344					
211	Caulking (allowance)	\$4,500					
					Total	Scheduled Replacements	\$95,197



YEAR 4 - PROJECTED REPLACEMENTS - 2018

#	Description	\$	#	Description	\$	#	Description	\$
39	Foundation plantings (allowa	\$2,000	π	Description	Ψ	π	Besonption	Ψ
59	Interior painting (allowance)	\$10,000						
70	Fan/coil unit (120,000 btu)	\$20,800						
71 72	Condensing Unit (25 ton) Fan/coil unit (45,000 btu)	\$20,800 \$13,000						
73	Condensing Unit (15 ton)	\$20,800						
74	Fan/coil unit (45,000 btu)	\$13,000						
76 77	Fan/coil unit (45,000 btu) Compressor (3 ton)	\$6,500 \$6,400						
78	Boiler, (1,700 MBH)	\$20,000						
218	Interior painting (allowance)	\$10,000						
270 271	Interior painting (allowance) Gymnasium flooring restorat	\$10,000 \$3,500						
317	Interior painting (allowance)	\$4,000						
319	Wood flooring restoration	\$250						
343	Interior painting (allowance)	\$4,000						
						Total	Scheduled Replacements	\$165,050



No Scheduled Replacements

St John's Church and School

August 5, 2015 11545502ST JOHN'15 **YEAR 5 - PROJECTED REPLACEMENTS - 2019** Description \$ Description \$ Description



YEAR 6 - PROJECTED REPLACEMENTS - 2020

		ILAK) - F	ROJECTED REPLAC	CIVILIAIS	- 2020	
#	Description	\$	#	Description	\$	# Description	\$
22	Brick retaining wall (25% re-	\$988	217	VCT	\$17,279		
33	Metal railing (20% allowance	\$500	228	Water heater	\$2,000		
40	Tot lot, mulch	\$4,463	258	Caulking (allowance)	\$4,500		
41	Tot lot, playset	\$18,000	260	Wood trim (allowance)	\$5,000		
42	Tot lot, jungle gym	\$4,800	266	Exterior building lights, smal	\$250		
43	Tot lot, swing	\$2,400	267	Exterior building lights, large	\$1,200		
44	Tot lot, PTL border	\$2,610	268	Walkway lights, recessed	\$2,000		
51	Caulking (allowance)	\$4,500	269	Conference Center, renovati	\$26,600		
53	Windows (3' x 4')	\$4,860	280	Fire Alarm Control Panel	\$10,200		
54	Windows (3' x 6')	\$2,160	281	Fire Alarm, booster panel	\$1,500		
55	Windows (3' x 6')	\$5,000	288	Domestic water piping (allow	\$4,000		
58	Exterior building lights	\$2,700	289	Water heater	\$1,000		
63	Interior door (allowance)	\$10,000	291	Electrical (allowance)	\$5,000		
65	Fire Alarm Control Panel	\$10,200	295	AHU w/ coil (200,000 btu)	\$41,600		
66	Fire Alarm Booster Panel	\$1,500	296	Unit Heater (150,000 btu)	\$13,000		
81	A/V Design/Integration	\$2,500	297	Water Heater	\$800		
82	Wireless receiver	\$450	298	Access Control System (AC:	\$6,604		
83	Lapel microphone	\$600	299	Camera	\$5,400		
84 85	4 CH. mixer 400 W power amp	\$199 \$300	300	CCTV system Water heater (80 gal.)	\$2,850 \$2,500		
86	CD/MP3	\$350	359	Allowance for Steeple Cross	\$10,000		
87	Power control	\$250	333	Allowance for Steeple Cross	Ψ10,000		
88	Hearing aid system	\$1,549					
89	Cabling	\$3,000					
90	Wall mount speaker	\$4,000					
91	Loudspeaker	\$1,600					
92	Ceiling speaker	\$1,200					
93	DVR	\$4,500					
94	Hard drive	\$400					
95	Hearing aid adapter	\$1,029					
96	Built-up roof	\$11,184					
99	Roof hatch	\$1,680					
100	Brick veneer repoint (10% al	\$8,595					
101	Caulking (allowance)	\$4,500					
102	Exterior door (allowance)	\$10,000					
103	Exterior building lights	\$400					
117	Fire Alarm System Fan/coil unit (45,000 btu)	\$10,200 \$6,500					
125	Compressor (3 ton)	\$6,500					
126	Fan/coil unit (45,000 btu)	\$6,500					
127	Compressor (3 ton)	\$6,500					
128	Fan/coil unit (45,000 btu)	\$6,500					
129	Compressor (3 ton)	\$6,500					
130	Fan/coil unit (30,000 btu)	\$3,200					
131	Compressor (2 ton)	\$3,200					
132	Boiler, (1,000 MBH)	\$20,000					
140	Membrane roof	\$26,130					
141	Gutters and downspouts (8")	\$1,056					
144	Caulking (allowance)	\$4,500					
146	Wood trim (allowance)	\$5,000					
150	Exterior building lights	\$400					
151	School/Classroom renovatio	\$237,500					
167	Fire Alarm Control Annuncia	\$10,200					
168	Fire Alarm Booster Panel	\$1,500 \$8,500					
170	Water heater Accessibility lift	\$8,500					
200	Compressor (2.5 ton)	\$6,400					
201	Compressor (2.5 ton)	\$6,400					
202	Compressor (2.5 ton)	\$3,200					
203	Compressor (2 ton)	\$6,400					
204	Compressor (5 ton)	\$31,200					
205	Compressor (2 ton)	\$9,600					
206	Compressor (2 ton)	\$3,200					
215	Exterior building lights	\$400				Total Scheduled Replacements	\$753,435



YEAR 7 - PROJECTED REPLACEMENTS - 2021

#	Description	\$	#	Description	\$ #	Description	\$
2	Pavement, rejuvenator seal	\$20,119					
10	Concrete flatwork (6%)	\$5,915					
39	Foundation plantings (allowa	\$2,000					
59	Interior painting (allowance)	\$10,000					
152	School/Classroom renovatio	\$237,500					
218							
	Interior painting (allowance)	\$10,000					
270	Interior painting (allowance)	\$10,000					
271	Gymnasium flooring restorat	\$3,500					
317	Interior painting (allowance)	\$4,000					
319	Wood flooring restoration	\$250					
343	Interior painting (allowance)	\$4,000					
349	Fan/coil unit (60,000 btu)	\$13,000					
350	Fan/coil unit (30,000 btu)	\$3,200					
351	Sump pump	\$1,000					
					Total So	heduled Replacements	\$324,484
							. ,



August 5, 2015 11545502ST JOHN'15

YEAR 8 - PROJECTED REPLACEMENTS - 2022

# 60 153 160	Description Organ, restoration (allowanc School/Classroom renovatio Music room flooring	\$ \$28,000 \$237,500 \$2,992	#	Description	\$ #	Description	\$
161 211 315	Music room ceiling Caulking (allowance) Carpet Carpet	\$2,992 \$4,500 \$10,625 \$8,500					
					Total S	cheduled Replacements	\$295,109



August 5, 2015 11545502ST JOHN'15

YEAR 9 - PROJECTED REPLACEMENTS - 2023

#	Description	\$	#	Description	\$ #	Description	\$
40	Tot lot, mulch	\$4,463					
154	School/Classroom renovatio	\$237,500					
	Exhaust for (15,000 ofm)	\$2,000					
230	Exhaust fan (15,000 cfm)	\$3,000					
232	Compressor (15 ton)	\$20,800					
			1				
			1				
			1				
			1				
			1				
			1				
			1		Total Sol	neduled Replacements	\$265,763
					Total 30	icadied Nepiacements	Ψ200,103



August 5, 2015 11545502ST JOHN'15

YEAR 10 - PROJECTED REPLACEMENTS - 2024

#	Description	\$	#	Description	\$ #	Description	\$
39	Foundation plantings (allowa	\$2,000					
59 218	Interior painting (allowance) Interior painting (allowance)	\$10,000 \$10,000					
270	Interior painting (allowance)	\$10,000					
271	Gymnasium flooring restorat	\$3,500					
317	Interior painting (allowance)	\$4,000					
319	Wood flooring restoration	\$250					
343	Interior painting (allowance)	\$4,000					
					Total S	cheduled Replacements	\$43,750



YEAR 11 - PROJECTED REPLACEMENTS - 2025

#	Description	\$	#	Description	\$	#	Description	\$
1	Pavement, mill and overlay	\$166,203	171	Electrical (allowance)	\$5,000	363	Guest house, siding	\$10,944
3	Parking bumpers	\$1,500	172	Exhaust fan (15,000 cfm)	\$3,000	000	Cucot ficuos, ciamg	Ψ10,011
4	Concrete curb and gutter (20	\$9,439	181	Boiler Glycol system	\$2,000			
7	Concrete curb	\$18,585	182	Boiler, (1,700 MBH)	\$40,000			
8	Asphalt curb	\$588	184	Pass-thru fan/coil unit	\$3,000			
27	Stone retaining, 10% re-set	\$1,200	186	Sump pump	\$2,500			
28	Stone retaining, replacemen	\$78,000	187	Access Control System (AC	\$6,604			
29	Wood privacy fence w/ gate	\$4,000	188	CCTV system	\$2,850			
34	Metal railing (20% allowance	\$500	197	Folding cafeteria table	\$12,000			
37	Wood sign	\$1,600	212	Exterior door (allowance)	\$10,000			
45 46	Tot lot, fence Genie lift	\$9,800 \$18,000	213	Windows (4' x 8') Windows (3' x 8')	\$11,520 \$49,680			
47	Slate shingle roofing	\$250,800	219	Piano, restoration (upright)	\$5,000			
48	Built-up roofing	\$14,300	220	Private restroom, renovation	\$2,602			
49	8" roof scuppers and downs	\$12,320	221	Standard restroom, renovati	\$20,000			
50	Stone exterior repoint (10%	\$27,168	222	Interior door (allowance)	\$10,000			
51	Caulking (allowance)	\$4,500	223	Auditorium (ceiling lighting)	\$5,000			
52	Exterior door (allowance)	\$10,000	224	Exit sign	\$500			
57	Stained glass ventilators (all	\$10,000	225	Interior door (allowance)	\$10,000			
61	Pendant fixture, refurbish	\$10,800	227	Domestic water piping (allow	\$4,000			
62	Private restroom, renovation	\$5,204	238	A/V system	\$13,398			
64	Exit sign	\$1,000	239	A/V Design/Integration	\$2,500			
67 69	Water heater	\$1,000 \$3,000	240	4 CH. mixer 400 W power amp	\$199 \$300			
80	Exhaust fan (15,000 cfm) CCTV system	\$2,850	241	CD/MP3	\$350			
101	Caulking (allowance)	\$4,500	243	Power control	\$250			
103	Exterior building lights	\$400	244	Cabling	\$3,000			
104	Windows (4' x 6')	\$39,960	245	Speakers	\$1,600			
105	Windows (18" x 3')	\$400	246	Stackable chair (metal frame	\$3,840			
106	Windows (24"X48") stained	\$7,200	247	6' round banquet table	\$2,650			
110	Piano, restoration (upright)	\$5,000	248	8' rectangle table	\$1,900			
111	Small restroom w/shower, re	\$36,000	255	Asphalt shingle	\$80,164			
112	Interior door (allowance)	\$10,000	256	Gutters and downspouts	\$6,360			
113	Laundry room appliances Chapel (ceiling spot lighting)	\$2,000 \$5,000	257 258	Brick veneer repoint (10% al Caulking (allowance)	\$10,020 \$4,500			
115	Chapel (sound system)	\$3,550	259	Exterior door (allowance)	\$10,000			
116	Overhead doors	\$2,500	260	Wood trim (allowance)	\$5,000			
118	Domestic water piping (allow	\$4,000	272	Private restroom, renovation	\$5,204			
121	Electrical	\$5,000	273	Standard restroom, renovati	\$20,000			
122	Exhaust fan (15,000 cfm)	\$3,000	274	Shower room, tbd	\$18,000			
123	Self-contained unit	\$4,500	275	Interior door (allowance)	\$10,000			
133	Countertop and Basin	\$8,000	276	Gymnasium (ceiling down lic	\$14,400			
134	Kitchen flooring	\$1,200	277	Gymnasium (ceiling spot ligh	\$9,000			
135	Refrigeration	\$3,600	278	Emergency lights	\$1,250 \$4,250			
136	Wall cabinet Dishwasher	\$4,500 \$800	279 282	Exit sign Fire sprinkler compressor fo	\$1,250 \$750			
138	Range/Oven	\$800	283	Fire sprinkler system (allowa	\$10,000			
139	Slate shingle	\$328,730	284	Smoke detector	\$10,000			
143	Brick veneer repoint (10% al	\$21,000	285	Fire strobe	\$1,500			
144	Caulking (allowance)	\$4,500	286	Fire alarm pull	\$750			
145	Exterior door (allowance)	\$10,000	287	Emergency lights	\$750			
146	Wood trim (allowance)	\$5,000	290	Exhaust fan (15,000 cfm)	\$1,500			
147	Windows (3' x 7')	\$67,095	309	Built-up roof	\$20,800			
149	Windows (4' x 4')	\$15,840	312	Siding, painted aluminum, re	\$10,800			
155 156	Blinds Teacher kitchenette renovat	\$10,000 \$14,466	318	Small restroom, renovation Private restroom, renovation	\$9,000 \$10,408			
157	Private restroom, renovation	\$5,204	329	Access Control System (AC	\$6,604			
158	Standard restroom, renovati	\$20,000	330	CCTV system	\$2,850			
162	Smoke detector	\$3,500	344	Small restroom w/shower, re	\$5,000			
163	Fire strobe	\$250	345	Emergency lights	\$1,250			
164	Fire alarm pull	\$1,250	352	Access Control System (AC	\$6,604			
165	Interior door (allowance)	\$10,000	353	CCTV system	\$2,850			
166	Exit sign	\$750	360	Allowance for Church Pew F	\$75,000	1_		04.054.55
169	Domestic water piping (allow	\$4,000	362	Guest house, gutters and dc	\$720	Tota	I Scheduled Replacements	\$1,954,322



August 5, 2015 11545502ST JOHN'15

YEAR 12 - PROJECTED REPLACEMENTS - 2026

#	Description	\$	#	Description	\$ #	Description	\$
40 79	Tot lot, mulch AHU (cfm)	\$4,463 \$10,000					
119	Water heater (boiler)	\$2,000					
120	Boiler buddy	\$2,000					
183 234	Water Heater Compressor (3 ton)	\$17,000 \$52,000					
235	Compressor (5 ton)	\$10,400					
237	Water Heater	\$1,000					
					Total S	cheduled Replacements	\$98,863



YEAR 13 - PROJECTED REPLACEMENTS - 2027

#	Description	\$	#	Description	\$	#	Description	\$
			#	Description	Φ	#	Description	Φ
11	Pavement, rejuvenator seal Concrete flatwork (6%)	\$20,119 \$5,915						
39	Foundation plantings (allows	\$2,000						
59	Interior painting (allowance)	\$10,000						
60	Organ, restoration (allowance)	\$10,000						
180	Carrier 50ss048	\$13,000						
199	Fan/coil unit, (18,000 btu) cla	\$49,000						
211	Caulking (allowance)	\$4,500						
218	Interior painting (allowance)	\$10,000						
231	Fan/coil unit (225,000 BTU)	\$10,000						
270	Interior painting (allowance)	\$10,400						
271	Gymnasium flooring restorat	\$3,500						
317	Interior painting (allowance)	\$4,000						
319	Wood flooring restoration	\$250						
321	Fan/coil unit (45,000 btu)	\$13,000						
322	Compressor (3 ton)	\$6,400						
323	Fan/coil unit (30,000 btu)	\$6,400						
324	Compressor (2 ton)	\$6,400						
325	Fan/coil unit (75,000 btu)	\$20,800						
326	Compressor (5 ton)	\$10,400						
343	Interior painting (allowance)	\$4,000						
						Total 9	Scheduled Replacements	\$238,084
						I Julai 3	oncauled Replacements	Ψ230,004



No Scheduled Replacements

August 5, 2015 11545502ST JOHN'15 St John's Church and School **YEAR 14 - PROJECTED REPLACEMENTS - 2028** Description Description \$ Description



YEAR 15 - PROJECTED REPLACEMENTS - 2029

#	Description	\$	#	Description	\$ #	Description	\$
40	Tot lot, mulch	\$4,463					
160	Music room flooring	\$2,992					
161	Music room ceiling	\$2,992					
198	Food Warmer Box	\$1,000					
249	Kitchen flooring	\$2,184					
250	Commercial Refrigeration	\$3,200					
251	Ice Machine	\$1,500					
252	Exhaust hood w/ suppressio	\$8,800					
253	Cabinets and countertop	\$8,000					
254	Commercial Range	\$10,000					
292	Fan/coil unit (75,000 btu)	\$20,800					
293		\$20,800					
293	Compressor (5 ton)						
	Condensing Unit (25 ton)	\$41,600					
310	Gutters and downspouts	\$1,926					
311	Soffit, vinyl	\$1,140					
313	Garage door	\$4,000					
314	Windows (3' x 5')	\$29,700					
315	Carpet	\$10,625					
316	VCT	\$3,300					
327	Boiler, (50 MBH)	\$10,000					
331	Countertop and Basin	\$3,000					
332	Kitchen flooring	\$900					
333	Refrigeration	\$1,800					
334	Enclosed base cabinet	\$2,000					
335	Dishwasher	\$700					
336	Range	\$700					
342	Carpet	\$8,500					
348	Compressor (5 ton)	\$20,800					
354	Kitchen flooring	\$750					
355	Commercial Refrigeration	\$1,800					
356	Cabinet and countertop	\$5,000					
357	Commercial Range	\$750					
358	ADA ramp	\$5,280					
					Total Sob	eduled Replacements	\$241,002
					TOTAL SCH	suuleu Replacements	φ241,UUZ



YEAR 16 - PROJECTED REPLACEMENTS - 2030

#	Description	\$	#	Description	\$ #	Description	\$
20	Lamp post	\$9,000					
22	Brick retaining wall (25% re-	\$988					
31	8' Metal fencing (10% allowa	\$2,905					
35	Metal railing (20% allowance	\$500					
38	Storm Water Management (\$9,000					
39	Foundation plantings (allowa	\$2,000					
41	Tot lot, playset	\$18,000					
42	Tot lot, jungle gym	\$4,800					
43	Tot lot, swing	\$2,400					
44	Tot lot, PTL border Caulking (allowance)	\$2,610					
51 59	Interior painting (allowance)	\$4,500 \$10,000					
63	Interior door (allowance)	\$10,000					
68	Electrical (allowance)	\$5,000					
81	A/V Design/Integration	\$2,500					
82	Wireless receiver	\$450					
83	Lapel microphone	\$600					
84	4 CH. mixer	\$199					
85	400 W power amp	\$300					
86	CD/MP3	\$350					
87	Power control	\$250					
88	Hearing aid system	\$1,549					
89	Cabling	\$3,000					
90	Wall mount speaker	\$4,000					
91	Loudspeaker	\$1,600					
92	Ceiling speaker	\$1,200					
98	8" roof scuppers and downs	\$9,520					
101	Caulking (allowance)	\$4,500					
102	Exterior door (allowance)	\$10,000					
103	Exterior building lights	\$400					
142	8" roof scuppers and downs	\$11,200					
144	Caulking (allowance)	\$4,500					
146	Wood trim (allowance)	\$5,000					
159	Education restroom, renovat	\$20,700					
189	Dumpster pad Cafeteria flooring	\$4,000 \$3,750					
190 191	Commercial refrigeration	\$7,000					
192	Cabinets and counter top	\$9,000					
193	Exhaust hood	\$8,000					
194	Ice machine	\$3,500					
195	Kitchen flooring	\$2,400					
196	Range	\$10,000					
218	Interior painting (allowance)	\$10,000					
226	Ceiling speakers	\$800					
229	Electrical (allowance)	\$5,000					
236	Boiler, (1,700 MBH)	\$20,000					
258	Caulking (allowance)	\$4,500					
260	Wood trim (allowance)	\$5,000					
270	Interior painting (allowance)	\$10,000					
271	Gymnasium flooring restorat	\$3,500					
288	Domestic water piping (allow	\$4,000					
301	A/V system	\$13,398					
302	Projector and screen	\$6,500					
317	Interior painting (allowance)	\$4,000					
319 328	Wood flooring restoration Water Heater	\$250 \$8,500					
343	Interior painting (allowance)	\$4,000					
343	interior painting (allowance)	φ4,000					
					Total Sc	heduled Replacements	\$310,619



August 5, 2015 11545502ST JOHN'15

YEAR 17 - PROJECTED REPLACEMENTS - 2031

#	Description	\$	#	Description	\$ #	Description	\$
351	Sump pump	\$ \$1,000					
							04.5
					Total Sched	uled Replacements	\$1,000



August 5, 2015 11545502ST JOHN'15

YEAR 18 - PROJECTED REPLACEMENTS - 2032

#	Description	\$	#	Description	\$	#	Description	\$
21	Lamp post head	\$2,700		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•			
40 60	Tot lot, mulch Organ, restoration (allowanc	\$4,463 \$28,000						
70	Fan/coil unit (120,000 btu)	\$20,800						
76	Fan/coil unit (45,000 btu)	\$6,500						
77 125	Compressor (3 ton) Compressor (3 ton)	\$6,400 \$6,500						
127	Compressor (3 ton)	\$6,500						
129 131	Compressor (3 ton) Compressor (2 ton)	\$6,500 \$3,200						
211	Caulking (allowance)	\$4,500						
						_		
						Total	Scheduled Replacements	\$96,063



August 5, 2015 11545502ST JOHN'15

YEAR 19 - PROJECTED REPLACEMENTS - 2033

2 Pavement, rejuvenator seal \$20,119 12 Concrete flatwork (6%) \$5,915 39 Foundation plantings (allowa \$2,000 59 Interior painting (allowance) \$10,000 107 Renovation (phase 1) \$46,740 216 Blinds \$3,600 218 Interior painting (allowance) \$10,000 270 Interior painting (allowance) \$10,000 271 Gymnasium flooring restorat \$3,500 306 Concrete pad \$3,420 317 Interior painting (allowance) \$4,000 319 Wood flooring restoration \$250 343 Interior painting (allowance) \$4,000	
39 Foundation plantings (allows \$2,000 59 Interior painting (allowance) \$10,000 107 Renovation (phase 1) \$46,740 216 Blinds \$3,600 218 Interior painting (allowance) \$10,000 270 Interior painting (allowance) \$10,000 271 Gymnasium flooring restorat \$3,500 306 Concrete pad \$3,420 317 Interior painting (allowance) \$4,000 319 Wood flooring restoration \$250	
59 Interior painting (allowance) \$10,000 107 Renovation (phase 1) \$46,740 216 Blinds \$3,600 218 Interior painting (allowance) \$10,000 270 Interior painting (allowance) \$10,000 271 Gymnasium flooring restorat \$3,500 306 Concrete pad \$3,420 317 Interior painting (allowance) \$4,000 319 Wood flooring restoration \$250	
216 Blinds \$3,600 218 Interior painting (allowance) \$10,000 270 Interior painting (allowance) \$10,000 271 Gymnasium flooring restorat \$3,500 306 Concrete pad \$3,420 317 Interior painting (allowance) \$4,000 319 Wood flooring restoration \$250	
218 Interior painting (allowance) \$10,000 270 Interior painting (allowance) \$10,000 271 Gymnasium flooring restorat \$3,500 306 Concrete pad \$3,420 317 Interior painting (allowance) \$4,000 319 Wood flooring restoration \$250	
271 Gymnasium flooring restorat \$3,500 306 Concrete pad \$3,420 317 Interior painting (allowance) \$4,000 319 Wood flooring restoration \$250	
306 Concrete pad \$3,420 317 Interior painting (allowance) \$4,000 319 Wood flooring restoration \$250	
317 Interior painting (allowance) \$4,000 319 Wood flooring restoration \$250	
319 Wood flooring restoration \$250 343 Interior painting (allowance) \$4,000	
543 Therior painting (allowance) 54,000	
Total Scheduled Replacemen	



August 5, 2015 11545502ST JOHN'15

YEAR 20 - PROJECTED REPLACEMENTS - 2034

#	Description	\$	#	Description	\$ #	Description	\$
108	Renovation (phase 2)	\$ \$46,740					
217	VCT	\$17,279					
					Total School	duled Replacements	\$64,019
					Total Scriet	aureu ivehiareilieliis	ψυ+,υ ι ϑ



YEAR 21 - PROJECTED REPLACEMENTS - 2035

ш	Description	¢	ш	Description	¢	#	Description	¢
27	Description Stone retaining, 10% re-set	\$ \$1,200	# 275	Description Interior door (allowance)	\$ \$10,000	#	Description	\$
29	Wood privacy fence w/ gate	\$4,000	276	Gymnasium (ceiling down lig	\$10,000			
30	8' Metal fencing, replacemer	\$66,400	277	Gymnasium (ceiling spot ligh	\$9,000			
36	Metal railing (20% allowance	\$500	289	Water heater	\$1,000			
37	Wood sign	\$1,600	291	Electrical (allowance)	\$5,000			
40	Tot lot, mulch	\$4,463	297	Water Heater	\$800			
46	Genie lift	\$18,000	298	Access Control System (AC	\$6,604			
51	Caulking (allowance)	\$4,500	299	Camera	\$5,400			
52 57	Exterior door (allowance) Stained glass ventilators (all	\$10,000 \$10,000	300	CCTV system Folding table	\$2,850 \$2,400			
58	Exterior building lights	\$10,000	304	Bleachers	\$64,000			
75	Compressor (2 ton)	\$6,400	305	Scoreboard system	\$5,000			
93	DVR	\$4,500	307	Asphalt shingle	\$12,725			
94	Hard drive	\$400	308	Garage, Asphalt shingle	\$6,970			
95	Hearing aid adapter	\$1,029	312	Siding, painted aluminum, re	\$10,800			
97	Membrane roof w/ insulation	\$18,486	337	Asphalt shingle	\$10,893			
101	Caulking (allowance)	\$4,500	338	Gutters and downspouts	\$2,160			
103	Exterior building lights Renovation (phase 3)	\$400 \$46,740	339	Soffit, vinyl Siding, vinyl	\$1,254 \$20,064			
1109	Piano, restoration (upright)	\$5,000	341	Garage door	\$4,000			
112	Interior door (allowance)	\$10,000	346	Water heater (80 gal.)	\$2,500			
113	Laundry room appliances	\$2,000	349	Fan/coil unit (60,000 btu)	\$13,000			
114	Chapel (ceiling spot lighting)	\$5,000	350	Fan/coil unit (30,000 btu)	\$3,200			
115	Chapel (sound system)	\$3,550	361	Guest house, asphalt shingle	\$3,766			
118	Domestic water piping (allow	\$4,000						
144	Caulking (allowance)	\$4,500						
145	Exterior door (allowance) Wood trim (allowance)	\$10,000 \$5,000						
150	Exterior building lights	\$400						
165	Interior door (allowance)	\$10,000						
169	Domestic water piping (allow	\$4,000						
170	Water heater	\$8,500						
185	Accessibility lift	\$20,000						
186	Sump pump	\$2,500						
209	Roof hatch	\$1,680						
212	Exterior door (allowance) Exterior building lights	\$10,000 \$400						
219	Piano, restoration (upright)	\$5,000						
222	Interior door (allowance)	\$10,000						
225	Interior door (allowance)	\$10,000						
227	Domestic water piping (allow	\$4,000						
228	Water heater	\$2,000						
232	Compressor (15 ton)	\$20,800						
238	A/V system A/V Design/Integration	\$13,398 \$2,500						
240	4 CH. mixer	\$2,500						
241	400 W power amp	\$300						
242	CD/MP3	\$350						
243	Power control	\$250						
244	Cabling	\$3,000						
245	Speakers	\$1,600						
246	Stackable chair (metal frame	\$3,840						
247	6' round banquet table 8' rectangle table	\$2,650 \$1,900						
258	Caulking (allowance)	\$4,500						
259	Exterior door (allowance)	\$10,000						
260	Wood trim (allowance)	\$5,000						
262	Windows (3' x 3')	\$4,860						
263	Windows (4' x 6')	\$5,950						
264	Windows (4' x 3')	\$3,150						
265	Windows (2' x 2') Exterior building lights, small	\$900 \$350						
266 267	Exterior building lights, smal Exterior building lights, large	\$250 \$1,200						
268	Walkway lights, recessed	\$2,000				Total Sche	duled Replacements	\$649,730
	,,	+=,000						ψο .υ, ι υυ



August 5, 2015 11545502ST JOHN'15

YEAR 22 - PROJECTED REPLACEMENTS - 2036

#	Description	\$	#	Description	\$	#	Description	\$
39	Foundation plantings (allowa	\$2,000	#	Description	Ψ	#	Description	Ψ
59	Interior painting (allowance)	\$10,000						
160	Music room flooring	\$2,992						
161	Music room ceiling	\$2,992						
218	Interior painting (allowance)	\$10,000						
270	Interior painting (allowance)	\$10,000						
271	Gymnasium flooring restorat	\$3,500						
315		\$10,625						
317	Interior painting (allowance)	\$4,000						
319	Wood flooring restoration	\$250						
342	Carpet	\$8,500 \$4,000						
343	Interior painting (allowance)	\$4,000						
						Total Sc	heduled Replacements	\$68,859



August 5, 2015 11545502ST JOHN'15

YEAR 23 - PROJECTED REPLACEMENTS - 2037

#	Description	\$	#	Description	\$ #	Description	\$
60	Organ, restoration (allowanc	\$28,000					
207 208	Built-up roof 8" Gutters and downspouts	\$44,590 \$3,600					
211	Caulking (allowance)	\$4,500					
230	Exhaust fan (15,000 cfm)	\$3,000					
					Total S	cheduled Replacements	\$83,690
					. Juli 0	autou replacements	ψ00,000



August 5, 2015 11545502ST JOHN'15

YEAR 24 - PROJECTED REPLACEMENTS - 2038

#	Description	\$	#	Description	\$ #	Description	\$
40	Tot lot, mulch	\$4,463					
78 233	Boiler, (1,700 MBH) Fan/coil unit (45,000 BTU)	\$20,000 \$52,000					
234	Compressor (3 ton)	\$52,000					
235	Compressor (5 ton)	\$10,400					
347	Compressor (2 ton)	\$3,200					
					Total S	cheduled Replacements	\$142,063
					. Julian J	onodulou Nopidoements	Ψ172,000



YEAR 25 - PROJECTED REPLACEMENTS - 2039

#	Description	\$	#	Description	\$ #	# Description	\$
2	Pavement, rejuvenator seal	\$20,119					
13	Concrete flatwork (6%)	\$5,915					
39	Foundation plantings (allowa	\$2,000					
59	Interior painting (allowance)	\$10,000					
123	Self-contained unit	\$4,500					
173	Fan/coil unit (75,000 btu)	\$10,400					
174 175	Compressor (5 ton) Fan/coil unit (30,000 btu)	\$10,400 \$3,200					
176	Compressor (2 ton)	\$3,200					
177	Fan/coil unit (20,000 btu)	\$6,400					
178	Compressor (1.5 ton)	\$6,400					
179	Fan/coil unit (60,000 btu)	\$20,800					
180	Carrier 50ss048	\$13,000					
184	Pass-thru fan/coil unit	\$3,000					
218	Interior painting (allowance)	\$10,000					
270	Interior painting (allowance)	\$10,000					
271	Gymnasium flooring restorat	\$3,500					
317 319	Interior painting (allowance) Wood flooring restoration	\$4,000 \$250					
343	Interior painting (allowance)	\$4,000					
0-40	interior painting (allowance)	Ψ+,000					
					T	otal Scheduled Replacements	\$151,084
						J.L. Johnania Replacements	φ101,004



YEAR 26 - PROJECTED REPLACEMENTS - 2040

#	Description	\$	#	Description	\$ #	Description	\$
19	Concrete site stairs (full set)	\$1,200		•			
	Brick retaining wall (25% re-	\$988					
22	• ,						
32	Metal railing (20% allowance	\$500					
41	Tot lot, playset	\$18,000					
42	Tot lot, jungle gym	\$4,800					
43	Tot lot, swing	\$2,400					
44	Tot lot, PTL border	\$2,610					
51	Caulking (allowance)	\$4,500					
63	Interior door (allowance)	\$10,000					
65	Fire Alarm Control Panel	\$10,200					
66	Fire Alarm Booster Panel	\$1,500					
	Water heater						
67		\$1,000					
80	CCTV system	\$2,850					
81	A/V Design/Integration	\$2,500					
82	Wireless receiver	\$450					
83	Lapel microphone	\$600					
84	4 CH. mixer	\$199					
85	400 W power amp	\$300					
86	CD/MP3	\$350					
87	Power control	\$250					
88	Hearing aid system	\$1,549					
89	Cabling	\$3,000					
90	Wall mount speaker	\$4,000					
91	Loudspeaker	\$1,600					
92	Ceiling speaker	\$1,200					
101	Caulking (allowance)	\$4,500					
102	Exterior door (allowance)	\$10,000					
103	Exterior building lights	\$400					
117	Fire Alarm System	\$10,200					
120	Boiler buddy	\$2,000					
121	Electrical	\$5,000					
132	Boiler, (1,000 MBH)	\$20,000					
140	Membrane roof	\$26,130					
141	Gutters and downspouts (8")	\$1,056					
144	Caulking (allowance)	\$4,500					
146	Wood trim (allowance)	\$5,000					
151	School/Classroom renovatio	\$237,500					
167	Fire Alarm Control Annuncia	\$10,200					
168	Fire Alarm Booster Panel	\$1,500					
171	Electrical (allowance)	\$5,000					
183	Water Heater	\$17,000					
187	Access Control System (AC	\$6,604					
188	CCTV system	\$2,850					
223	Auditorium (ceiling lighting)	\$5,000					
258	Caulking (allowance)	\$4,500					
260	Wood trim (allowance)	\$5,000					
269	Conference Center, renovati	\$26,600					
280	Fire Alarm Control Panel	\$10,200					
281	Fire Alarm, booster panel	\$1,500					
288	Domestic water piping (allow	\$4,000					
295	AHU w/ coil (200,000 btu)	\$4,000					
296	Unit Heater (150,000 btu)	\$13,000					
329	Access Control System (AC:	\$6,604					
330	CCTV system	\$2,850					
352	Access Control System (AC	\$6,604					
353	CCTV system	\$2,850					
					1_		
					Total S	Scheduled Replacements	\$576,294



August 5, 2015 11545502ST JOHN'15

YEAR 27 - PROJECTED REPLACEMENTS - 2041

#	Description	\$	#	Description	\$ #	Description	\$
40	Tot lot, mulch	\$4,463					
119	Water heater (boiler)	\$2,000					
152	School/Classroom renovatio	\$237,500					
326	Compressor (5 ton)	\$10,400					
351	Sump pump	\$1,000					
331	Sump pump	\$1,000					
					Total Cal	adulad Danlassmants	COEF 262
					iotal Sch	neduled Replacements	\$255,363



August 5, 2015 11545502ST JOHN'15

YEAR 28 - PROJECTED REPLACEMENTS - 2042

#	Description	\$	#	Description	\$ #	Description	\$
39	Foundation plantings (allowa	\$2,000		·		·	
59	Interior painting (allowance)	\$10,000					
60	Organ, restoration (allowanc	\$28,000					
71	Condensing Unit (25 ton)	\$20,800					
72 73	Fan/coil unit (45,000 btu) Condensing Unit (15 ton)	\$13,000 \$20,800					
74	Fan/coil unit (45,000 btu)	\$13,000					
153	School/Classroom renovatio	\$237,500					
210	Brick veneer repoint (10% al	\$7,344					
211	Caulking (allowance)	\$4,500					
218	Interior painting (allowance)	\$10,000					
270	Interior painting (allowance)	\$10,000					
271 317	Gymnasium flooring restorat Interior painting (allowance)	\$3,500 \$4,000					
319	Wood flooring restoration	\$250					
343	Interior painting (allowance)	\$4,000					
	g ()	* 1,000					
					Total	Scheduled Replacements	\$388,694
					iota	Construct Replacements	ψυυυ,υσ4



August 5, 2015 11545502ST JOHN'15

YEAR 29 - PROJECTED REPLACEMENTS - 2043

#	Description	\$	#	Description	\$ #	Description	\$
1 3	Pavement, mill and overlay Parking bumpers	\$166,203 \$1,500					
5 8	Concrete curb and gutter (20 Asphalt curb	\$9,439 \$588					
154 160	School/Classroom renovatio Music room flooring	\$237,500 \$2,992					
161 315	Music room ceiling Carpet	\$2,992 \$10,625					
316	VCT Carpet	\$3,300 \$8,500					
042	Carpet	ψο,σσο					
					Total S	Scheduled Replacements	\$443,639
					. Julian C	ondation replacements	ψ



YEAR 30 - PROJECTED REPLACEMENTS - 2044

#	Description	\$	#	Description	\$ #	Description	\$
40	Tot lot, mulch	\$4,463		·		·	
124	Fan/coil unit (45,000 btu)	\$6,500					
125	Compressor (3 ton)	\$6,500					
126 127	Fan/coil unit (45,000 btu) Compressor (3 ton)	\$6,500 \$6,500					
128	Fan/coil unit (45,000 btu)	\$6,500					
129	Compressor (3 ton)	\$6,500					
130	Fan/coil unit (30,000 btu)	\$3,200					
131	Compressor (2 ton)	\$3,200					
200	Compressor (2.5 ton)	\$6,400					
201	Compressor (2.5 ton)	\$6,400					
202	Compressor (2.5 ton)	\$3,200					
203 204	Compressor (2 ton) Compressor (5 ton)	\$6,400 \$31,200					
205	Compressor (2 ton)	\$9,600					
206	Compressor (2 ton)	\$3,200					
313	Garage door	\$4,000					
					Tota	I Scheduled Replacements	\$120,263



YEAR 31 - PROJECTED REPLACEMENTS - 2045

щ	Deparintion	•	ш	Description	¢	щ	Description	¢
2	Description Pavement, rejuvenator seal	\$ \$20,119	# 248	Description 8' rectangle table	\$ \$1,900	#	Description	\$
14	Concrete flatwork (6%)	\$5,915	256	Gutters and downspouts	\$6,360			
24	Concrete stairs (full set)	\$1,800	258	Caulking (allowance)	\$4,500			
26	Concrete stairs (full set)	\$3,600	259	Exterior door (allowance)	\$10,000			
27	Stone retaining, 10% re-set	\$1,200	260	Wood trim (allowance)	\$5,000			
29	Wood privacy fence w/ gate	\$4,000	270	Interior painting (allowance)	\$10,000			
33	Metal railing (20% allowance	\$500	271	Gymnasium flooring restorat	\$3,500			
37	Wood sign	\$1,600	275	Interior door (allowance)	\$10,000			
39	Foundation plantings (allowa	\$2,000	276	Gymnasium (ceiling down liç	\$14,400			
46	Genie lift	\$18,000	277	Gymnasium (ceiling spot ligh	\$9,000			
48	Built-up roofing	\$14,300	282	Fire sprinkler compressor fo	\$750			
51	Caulking (allowance)	\$4,500	283	Fire sprinkler system (allowa	\$10,000			
52	Exterior door (allowance)	\$10,000	290	Exhaust fan (15,000 cfm)	\$1,500			
57	Stained glass ventilators (all	\$10,000	301	A/V system	\$13,398			
59	Interior painting (allowance)	\$10,000	302	Projector and screen	\$6,500			
68	Electrical (allowance)	\$5,000	309	Built-up roof	\$20,800			
69	Exhaust fan (15,000 cfm)	\$3,000	312	Siding, painted aluminum, re	\$10,800			
100	Brick veneer repoint (10% al	\$8,595 \$4,500	317	Interior painting (allowance)	\$4,000 \$9,000			
101	Caulking (allowance) Exterior building lights	\$4,500 \$400	318	Small restroom, renovation Wood flooring restoration	\$9,000 \$250			
1103	Piano, restoration (upright)	\$5,000	328	Water Heater	\$8,500			
111	Small restroom w/shower, re	\$36,000	343	Interior painting (allowance)	\$4,000			
112	Interior door (allowance)	\$10,000	344	Small restroom w/shower, re	\$5,000			
113	Laundry room appliances	\$2,000	362	Guest house, gutters and do	\$720			
114	Chapel (ceiling spot lighting)	\$5,000		, 0				
115	Chapel (sound system)	\$3,550						
118	Domestic water piping (allow	\$4,000						
122	Exhaust fan (15,000 cfm)	\$3,000						
133	Countertop and Basin	\$8,000						
134	Kitchen flooring	\$1,200						
135	Refrigeration	\$3,600						
136	Wall cabinet	\$4,500						
137	Dishwasher	\$800						
138	Range/Oven	\$800						
144	Caulking (allowance)	\$4,500						
145 146	Exterior door (allowance)	\$10,000 \$5,000						
155	Wood trim (allowance) Blinds	\$10,000						
165	Interior door (allowance)	\$10,000						
169	Domestic water piping (allow	\$4,000						
172	Exhaust fan (15,000 cfm)	\$3,000						
181	Boiler Glycol system	\$2,000						
182	Boiler, (1,700 MBH)	\$40,000						
186	Sump pump	\$2,500						
191	Commercial refrigeration	\$7,000						
194	Ice machine	\$3,500						
197	Folding cafeteria table	\$12,000						
212	Exterior door (allowance)	\$10,000						
218	Interior painting (allowance)	\$10,000						
219	Piano, restoration (upright)	\$5,000						
222	Interior door (allowance)	\$10,000						
225	Interior door (allowance)	\$10,000						
227 229	Domestic water piping (allow Electrical (allowance)	\$4,000 \$5,000						
238	A/V system	\$5,000 \$13,398						
239	A/V System A/V Design/Integration	\$2,500						
240	4 CH. mixer	\$199						
241	400 W power amp	\$300						
242	CD/MP3	\$350						
243	Power control	\$250						
244	Cabling	\$3,000						
245	Speakers	\$1,600						
246	Stackable chair (metal frame	\$3,840						
247	6' round banquet table	\$2,650				Total Sche	duled Replacements	\$581,944



August 5, 2015 11545502ST JOHN'15

YEAR 32 - PROJECTED REPLACEMENTS - 2046

#	Description	\$	#	Description	\$ #	Description	\$
70	Fan/coil unit (120,000 btu)	\$20,800					
76	Fan/coil unit (45,000 btu)	\$6,500					
77	Compressor (3 ton)	\$6,400					
					Total Sch	eduled Replacements	\$33,700
						-	



August 5, 2015 11545502ST JOHN'15

YEAR 33 - PROJECTED REPLACEMENTS - 2047

#	Description	\$	#	Description	\$ #	Description	\$
21	Lamp post head	\$2,700				•	•
40	Tot lot, mulch	\$4,463					
60	Organ, restoration (allowanc	\$28,000					
211	Caulking (allowance)	\$4,500					
232	Compressor (15 ton)	\$20,800					
202	Compressor (15 ton)	Ψ20,000					
					1_		4
					Total S	Scheduled Replacements	\$60,463



August 5, 2015 11545502ST JOHN'15

YEAR 34 - PROJECTED REPLACEMENTS - 2048

39 Foundation plantings (allowae) \$10,000 \$17,279 \$11,000 \$17,279 \$11,000 \$17,279 \$10,000 \$10,00	#	Description	\$	#	Description	\$ #	Description	\$
217 VCT \$17,279 218 Interior painting (allowance) \$10,000 270 Interior painting (allowance) \$10,000 271 Gymnasium flooring restorat \$3,500 317 Interior painting (allowance) \$4,000 319 Wood flooring restoration \$250	39	Foundation plantings (allowa	\$2,000					
218Interior painting (allowance)\$10,000270Interior painting (allowance)\$10,000271Gymnasium flooring restorat\$3,500317Interior painting (allowance)\$4,000319Wood flooring restoration\$250		Interior painting (allowance)	\$10,000					
270Interior painting (allowance)\$10,000271Gymnasium flooring restorat\$3,500317Interior painting (allowance)\$4,000319Wood flooring restoration\$250		VCT	\$17,279					
271 Gymnasium flooring restorat \$3,500		Interior painting (allowance)	\$10,000					
317 Interior painting (allowance) \$4,000 319 Wood flooring restoration \$250		Gymnasium flooring restorat	\$3.500					
319 Wood flooring restoration \$250		Interior painting (allowance)	\$4,000					
343 Interior painting (allowance) \$4,000		Wood flooring restoration	\$250					
		Interior painting (allowance)	\$4,000					
Total Scheduled Replacements \$61,029						Total	Scheduled Replacements	\$61,029



August 5, 2015 11545502ST JOHN'15

YEAR 35 - PROJECTED REPLACEMENTS - 2049

#	Description	\$	#	Description	\$	#	Description	\$
198	Food Warmer Box	\$1,000	n'	2 000 ilpuoti	Ψ	n'		Ψ
249	Kitchen flooring	\$2,184						
250	Commercial Refrigeration	\$3,200						
251	Ice Machine	\$1,500						
252	Exhaust hood w/ suppressio	\$8,800						
253	Cabinets and countertop	\$8,000						
254	Commercial Range	\$10,000						
310	Gutters and downspouts	\$1,926						
327	Boiler, (50 MBH)	\$10,000						
331	Countertop and Basin	\$3,000						
332	Kitchen flooring	\$900						
333	Refrigeration	\$1,800						
334	Enclosed base cabinet	\$2,000						
335	Dishwasher	\$700						
336	Range	\$700						
349	Fan/coil unit (60,000 btu)	\$13,000						
350	Fan/coil unit (30,000 btu)	\$3,200						
354 355	Kitchen flooring Commercial Refrigeration	\$750 \$1,800						
356	Cabinet and countertop	\$5,000						
357	Commercial Range	\$5,000						
358	ADA ramp	\$5,280						
		ψο,200						
						Total	Schodulad Panlacements	COE 400
						rotal	Scheduled Replacements	\$85,490



YEAR 36 - PROJECTED REPLACEMENTS - 2050

		ILAN	Ю - Г	ROJECTED REPLAC		J - 20.	JU	
#	Description	\$	#	Description	\$	#	Description	\$
22	Brick retaining wall (25% re-	\$988	261	Corrugated metal awning	\$19,200		·	
34	Metal railing (20% allowance	\$500	266	Exterior building lights, smal	\$250			
40	Tot lot, mulch	\$4,463	267	Exterior building lights, large	\$1,200			
41	Tot lot, playset	\$18,000	268	Walkway lights, recessed	\$2,000			
42	Tot lot, jungle gym	\$4,800	272	Private restroom, renovation	\$5,204			
43	Tot lot, swing	\$2,400	273	Standard restroom, renovati	\$20,000			
44	Tot lot, PTL border	\$2,610	274	Shower room, tbd	\$18,000			
45	Tot lot, fence	\$9,800	278	Emergency lights	\$1,250			
50	Stone exterior repoint (10%	\$27,168	279	Exit sign	\$1,250			
51	Caulking (allowance)	\$4,500	284	Smoke detector	\$10,000			
58 61	Exterior building lights Pendant fixture, refurbish	\$2,700 \$10,800	285 286	Fire strobe Fire alarm pull	\$1,500 \$750			
62	Private restroom, renovation	\$5,204	287	Emergency lights	\$750 \$750			
63	Interior door (allowance)	\$10,000	288	Domestic water piping (allow	\$4,000			
64	Exit sign	\$1,000	289	Water heater	\$1,000			
81	A/V Design/Integration	\$2,500	291	Electrical (allowance)	\$5,000			
82	Wireless receiver	\$450	297	Water Heater	\$800			
83	Lapel microphone	\$600	298	Access Control System (AC	\$6,604			
84	4 CH. mixer	\$199	299	Camera	\$5,400			
85	400 W power amp	\$300	300	CCTV system	\$2,850			
86	CD/MP3	\$350	315	Carpet	\$10,625			
87	Power control	\$250	320	Private restroom, renovation	\$10,408			
88	Hearing aid system	\$1,549	342	Carpet	\$8,500			
89	Cabling	\$3,000	345	Emergency lights	\$1,250			
90	Wall mount speaker	\$4,000	346	Water heater (80 gal.)	\$2,500			
91	Loudspeaker	\$1,600	363	Guest house, siding	\$10,944			
92	Ceiling speaker	\$1,200						
93	DVR	\$4,500						
94	Hard drive	\$400						
95	Hearing aid adapter	\$1,029						
96	Built-up roof Caulking (allowance)	\$11,184 \$4,500						
101	Exterior door (allowance)	\$10,000						
103	Exterior building lights	\$400						
116	Overhead doors	\$2,500						
143	Brick veneer repoint (10% al	\$21,000						
144	Caulking (allowance)	\$4,500						
146	Wood trim (allowance)	\$5,000						
150	Exterior building lights	\$400						
156	Teacher kitchenette renovat	\$14,466						
157	Private restroom, renovation	\$5,204						
158	Standard restroom, renovati	\$20,000						
160	Music room flooring	\$2,992						
161	Music room ceiling	\$2,992						
162	Smoke detector	\$3,500						
163	Fire strobe	\$250						
164	Fire alarm pull	\$1,250						
166	Exit sign	\$750 \$8,500						
170	Water heater Accessibility lift	\$8,500 \$20,000						
189	Dumpster pad	\$4,000						
196	Range	\$10,000						
215	Exterior building lights	\$400						
220	Private restroom, renovation	\$2,602						
221	Standard restroom, renovati	\$20,000						
224	Exit sign	\$500						
228	Water heater	\$2,000						
234	Compressor (3 ton)	\$52,000						
235	Compressor (5 ton)	\$10,400						
236	Boiler, (1,700 MBH)	\$20,000						
255	Asphalt shingle	\$80,164						
257	Brick veneer repoint (10% al	\$10,020						
258	Caulking (allowance)	\$4,500						
260	Wood trim (allowance)	\$5,000				Total	Scheduled Replacements	\$639,068



YEAR 37 - PROJECTED REPLACEMENTS - 2051

#	Description	\$	#	Description	\$	#	Description	\$
			#	Description	Φ	#	Description	Φ
2	Pavement, rejuvenator seal	\$20,119						
15	Concrete flatwork (6%)	\$5,915 \$2,000						
39	Foundation plantings (allows							
59	Interior painting (allowance)	\$10,000						
180	Carrier 50ss048	\$13,000						
199	Fan/coil unit, (18,000 btu) cla	\$49,000						
218	Interior painting (allowance)	\$10,000 \$3,000						
230 231	Exhaust fan (15,000 cfm) Fan/coil unit (225,000 BTU)	\$10,400						
270	Interior painting (allowance)	\$10,400						
271	Gymnasium flooring restorat	\$3,500						
317	Interior painting (allowance)	\$4,000						
319	Wood flooring restoration	\$250						
321	Fan/coil unit (45,000 btu)	\$13,000						
322	Compressor (3 ton)	\$6,400						
323	Fan/coil unit (30,000 btu)	\$6,400						
324	Compressor (2 ton)	\$6,400						
325	Fan/coil unit (75,000 btu)	\$20,800						
343	Interior painting (allowance)	\$4,000						
351	Sump pump	\$1,000						
						Total S	Scheduled Replacements	\$199,184
$\overline{}$							F	



August 5, 2015 11545502ST JOHN'15

YEAR 38 - PROJECTED REPLACEMENTS - 2052

#	Description	\$	#	Description	\$ #	Description	\$
60	Organ, restoration (allowanc	\$28,000					
211	Caulking (allowance)	\$4,500					
					Total S	cheduled Penlacements	\$32.500
					rotal S	cheduled Replacements	\$32,500



August 5, 2015 11545502ST JOHN'15

YEAR 39 - PROJECTED REPLACEMENTS - 2053

#	Description	\$	#	Description	\$ #	Description	\$
40	Tot lot, mulch	\$4,463					
56 107	Stained glass restoration (al Renovation (phase 1)	\$100,000 \$46,740					
123	Self-contained unit	\$4,500					
184	Pass-thru fan/coil unit	\$3,000					
216 292	Blinds Fan/coil unit (75,000 btu)	\$3,600 \$20,800					
293	Compressor (5 ton)	\$20,800					
294 306	Condensing Unit (25 ton) Concrete pad	\$41,600 \$3,420					
348	Compressor (5 ton)	\$20,800					
					Total	Scheduled Replacements	\$269,723



August 5, 2015 11545502ST JOHN'15

YEAR 40 - PROJECTED REPLACEMENTS - 2054

#	Description	\$	#	Description	\$ #	Description	\$
39	Foundation plantings (allowa	\$2,000					
59	Interior painting (allowance)	\$10,000					
108 120	Renovation (phase 2) Boiler buddy	\$46,740 \$2,000					
183	Water Heater	\$17,000					
218	Interior painting (allowance)	\$10,000					
270	Interior painting (allowance)	\$10,000					
271 311	Gymnasium flooring restorat Soffit, vinyl	\$3,500 \$1,140					
317	Interior painting (allowance)	\$4,000					
319	Wood flooring restoration	\$250					
343	Interior painting (allowance)	\$4,000					
					Tatal	Sahadulad Berlasamarta	¢110 620
					rota	Scheduled Replacements	\$110,630



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CONDITION ASSESSMENT

General Comments. Miller - Dodson Associates conducted a Reserve Study at St. John's Church and School in August 2015. St. John's Church and School is in generally good condition for a facility constructed from 1959 to 2009. A review of the Replacement Reserve Inventory will show that we are anticipating most of the components achieving their normal economic lives.

The following comments pertain to the larger, more significant components in the Replacement Reserve Inventory and to those items that are unique or deserving of attention because of their condition or the manner in which they have been treated in the Replacement Reserve Analysis or Inventory.

General Condition Statements.

Excellent. 100% to 90% of Normal Economic Life expected, with no appreciable wear or defects.

Good. 90% to 60% of Normal Economic Life expected, minor wear or cosmetic defects found. Normal maintenance should be expected. If performed properly, normal maintenance may increase the useful life of a component. Otherwise, the component is wearing normally.

Fair. 60% to 30% of Normal Economic Life expected, moderate wear with defects found. Repair actions should be taken to extend the life of the component or to correct repairable defects and distress. Otherwise, the component is wearing normally.

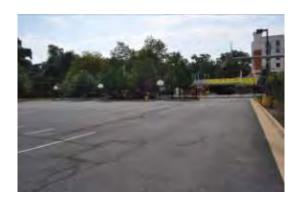
Marginal. 30% to 10% of Normal Economic Life expected, with moderate to significant wear or distress found. Repair actions are expected to be cost effective for localized issues, but normal wear and use are evident. The component is reaching the end of the Normal Economic Life.

Poor. 10% to 0% of Normal Economic Life expected, with significant distress and wear. Left unattended, additional damage to underlying structures is likely to occur. Further maintenance is unlikely to be cost effective.

SITE COMPONENTS

Asphalt Pavement. The Church is responsible for the parking areas, and paths within the facility. In general, the Church's asphalt pavements are in good condition.





The Church maintains an inventory of asphalt pavement along the following streets and areas:

•	Gymnasium Parking	18,000	sf
•	School Parking	27,000	sf
•	Heller Hall Parking	28,800	sf
•	Rectory Parking	9,100	sf



•	Convent Parking	1,575	sf
•	House of Ministries Parking	3,000	sf

As a rule of thumb, asphalt should be overlaid when approximately 5% of the surface area is cracked or otherwise deteriorated. The normal service life of asphalt pavement is typically 18 to 20 years.

In order to maintain the condition of the pavement throughout the community and to ensure the longest life of the asphalt, we recommend a systematic and comprehensive maintenance program that includes:

- Cleaning. Long-term exposure to oil or gas breaks down asphalt. Because this asphalt pavement is generally not used for long-term parking, it is unlikely that frequent cleaning will be necessary. When necessary, spill areas should be cleaned or patched if deterioration has penetrated the asphalt. This is a maintenance activity, and we have assumed that it will not be funded from Reserves.
- Crack Repair. All cracks should be repaired with an appropriate compound to prevent water infiltration through the asphalt into the base. This repair should be done annually. Crack repair is normally considered a maintenance activity and is not funded from Reserves. Areas of extensive cracking or deterioration that cannot be made watertight should be cut out and patched.
- **Seal Coating.** The asphalt should be seal coated every five to seven years. For this maintenance, activity to be effective in extending the life of the asphalt, cleaning and crack repair should be performed first.

The pricing used is based on recent contracts for a two-inch overlay, which reflects the current local market for this work.

For seal coating, several different products are available. The older, more traditional seal coating products are simply paints. They coat the surface of the asphalt and they are minimally effective. However, the newer coating materials, such as those from Total Asphalt Management, Asphalt Restoration Technologies, Inc., and others, are penetrating. They are engineered, so to speak, to 'remoisturize' the pavement. Asphalt pavement is intended to be flexible. Over time, the volatile chemicals in the pavement dry, the pavement becomes brittle, and degradation follows in the forms of cracking and potholes. Remoisturizing the pavement can return its flexibility and extend the life of the pavement.

Lastly, the resource links provided on our website may provide insight into the general terms and concerns, including maintenance related advantages and disadvantages, which may help the Church better manage the asphalt pavements throughout the community: http://mdareserves.com/resources/links/site-components.

Concrete Work. The concrete work includes the community curbs, sidewalks, leadwalks, stairs, stoops, and other flatwork. We have modeled for curb replacement when the asphalt pavement is overlaid. The overall condition of the concrete work is good.





The standards we use for recommending replacement are as follows:



- Trip hazard, ½ inch height difference.
- · Severe cracking.
- Severe spalling and scale.
- Uneven riser heights on steps.
- Steps with risers in excess of 81/4 inches.

Because it is highly unlikely that all of the concrete components will fail and require replacement in the period of the study, we have programmed funds for the replacement of these inventories and spread the funds over an extended timeframe to reflect the incremental nature of this work.

The relevant links on our web site may provide useful information related to concrete terminology, maintenance, and repair. Please see http://mdareserves.com/resources/links/site-components.

Site Lighting. The Church is responsible for the operation of the facility's site lights, and there are poled streetlights, and building mounted lights. The lighting system was not on at the time of our site visit. We understand that the lighting system is in operating condition.





This study assumes replacement of the light fixtures every 15 to 20 years, and pole replacement every 30 to 40 years. When the light poles are replaced, we assume that the underground wiring will also be replaced.

When a whole-scale lighting replacement project is called for, we recommend consulting with a lighting design expert. Many municipalities have design codes, guidelines, and restrictions when it comes to exterior illumination.

In addition, new technology such LED and LIFI among others should be evaluated when considering replacement.

Retaining Walls. The Church maintains masonry, poured concrete and stone retaining walls. The retaining walls are in mixed condition relative to the age of the installation.





Sample

Retaining walls in general are designed to provide slope stabilization and soil retention by means of a structural system. Typically, walls that are three feet high or more require some level of design.

Movement and displacement of any retaining wall is a sign of general settlement or failure. This typically is in the form of leaning and bowing, and can involve the entire wall or localized sections of the wall. Typically, these types of movements are gradual and may require the replacement of the wall. Movement of retaining walls located near other buildings or structures may negatively affect the stability of the adjacent structure. These conditions can become extremely costly if not properly identified, monitored, and addressed.

Brick, stone, concrete block masonry walls can have an extended useful life of 40 years or more, and if stable, may only require periodic repointing and localized repair. Repoint is the process of raking out defective masonry joints and tooling in new mortar into the joints. Properly mortared and tooled joints will repel the weather and keep water from penetrating the wall. Siloxane or other breathable sealants should be considered to provide additional protection to the wall from water penetration. This study assumes that repointing will be performed incrementally as needed.

Poured concrete retaining walls can have an extended useful life of 60 years or more, and if stable, may only require periodic localized repair. Siloxane or other breathable sealants should be considered to provide additional protection to the wall from water penetration. This study assumes that concrete repairs will be performed incrementally as needed.

When and if it becomes necessary to replace these walls, we recommend the Church consider one of the segmental block retaining wall systems. These systems are very low maintenance. If over time the wall experiences movement, sections of the walls can be re-stacked at a very small portion of the cost of a new wall. Segmental block retaining walls can have a service life of 80 years or more. As a general source of information about retaining walls, we offer several links from our website at http://mdareserves.com/resources/links/site-components.

Retaining wall replacement can be costly, and early planning on the part of the Church can help to reduce the impact of this work on the community's budget in the future. We therefore recommend having a Professional Engineer inspect the walls and develop preliminary replacement alternatives and recommendations based on the site conditions, replacement costs, and recommended replacement wall types. This information can then be incorporated into future updates to the Reserve Study.

Fencing. The Church maintains metal fencing that is in generally good condition. Fencing systems have a large number of configurations and finishes that can usually be repaired as a maintenance activity by replacing individual components as they become damaged or weathered.





Protection from string machine damage during lawn maintenance can extend the useful life of some fence types. Protection from this type of damage is typically provided by applying herbicides around post bases or installing protective sheathing.



Chain link fencing can have a useful life of 40 years or more. Periodic weed control may be required to protect and maintain the fence.

For more information on fencing, visit our website link to the American Fence Association.

Fence posts can have an extended useful life if these simple maintenance activities are performed. If left unattended, the pressure from expansive post rust can crack and damage the supporting material.

Storm Water Management. Storm water can be problematic in areas with high runoff water or dramatic changes in elevation. Typically, the majority of storm water management systems are maintained by the county or municipality. This study attempts to include the portions of the system are considered common property. The share line between municipality and community responsibility is often obscure and subject to the judgment of the county authority.





Storm water management components include the entire network of underground piping, runoff beds, swales, drains, French drains, curb inlets, drop inlets, and site grading. Many installations have a service life equal to or greater to the life of the life of the community and will not require replacement.

Various authorities are involved with and have oversight of runoff water. There are historic, newly developed, and ongoing improvements in protection of the water table. Regulations on runoff water are established to reduce sediment in the watershed, eliminate contamination of the water table, and retain freshwater within the watershed. Sanctions on tributaries will expand upstream to all possible sources of collection. Communities are responsible for the volume of water produced within their boundaries until it reaches the end of the watershed.

We have included an allowance for storm water management. This allowance is for situations where systems fail or do not meet current code and require replacement. This study includes a review of the visible storm water management components that are considered common and observations of system failure when evident.

Thorough review of engineering plans, codes, system functioning, and applicable regulations was not performed as part of this study. Our estimate considers likely replacements and practical cost from communities of similar size and complexity. Inspection and evaluation of underground lines and structures is beyond the scope of work for this study.

Additional information is available on our website at:

http://mdareserves.com/resources/links/site-components

Tot Lots. The facility maintains two tot lots. These tot lots include play structures, miscellaneous play equipment, and a wood chip surface. The facility facilities are in generally good condition.







The safety of each individual piece of playground equipment as well as the layout of the entire play area should be considered when evaluating a playground for safety. The installation and maintenance of the protective surfacing under and around all equipment is crucial. Please note that the evaluation of the equipment and these facilities for safety is beyond the scope of this work.

Information for playground design and safety can be found in the "Public Playground Safety Handbook", U.S. Consumer Product Safety Commission (Pub Number 325). For a link to this handbook, please see our web site at www.mdareserves.com/resources/links/recreation.

Our estimates for playground equipment are based on comparing photos of the existing equipment with equipment of a similar size in manufacturers' catalogs. We use the pricing that is quoted by manufacturers for comparable equipment and add 30% for the disposal of the old equipment and installation of new equipment.

BUILDING EXTERIORS

Building Roofing. The buildings are roofed in asphalt, slate, and flat roofing systems that are in generally mixed condition based on the age of the installation.





Asphalt shingle roofs can have a useful life of 20 to 50 years depending on the weight and quality of the shingle. Weathered, curled, and missing shingles are all indications that the shingles may be nearing the end of their useful life.

Slate shingle roofing can have an extended useful life of 100 years or more. Failures with slate roofs are primarily from the use of improper fasteners, damage from improper access to the roof, and physical damage from primarily hail. The metalwork including flashings and valleys will need to be replaced, and we assume that this work will be required every 30 years.

Flat roofing systems can have a variety of configurations that will greatly affect the cost of replacement including insulation, ballast, the height of the building, and the density of installed mechanical equipment. Flat roofing systems typically have a useful life of 15 to 25 years.



Access to all the roofing was not provided at the time of inspection. Where access was limited, the roofing was observed from the ground.

Annual inspections are recommended, with cleaning, repair, and mitigation of vegetation performed as needed. Access, inspection, and repair work should be performed by contractors and personnel with the appropriate access equipment who are experienced in the types of roofing used for the facility.

For additional information on roofs and roof maintenance, please see the appropriate links on our web site at http://mdareserves.com/resources/links/building-exterior.

Gutters and Downspouts. The buildings have has aluminum gutters and downspouts. The gutters and downspouts are in good condition.

A gutter and downspout system will remove rainwater from the area of the building roof, siding, and foundation. This will protect building's exterior surfaces from water damage. Gutters should run the full length of all drip edges of the building roof. Even with full gutters, it is important to inspection the function of the gutters during heavy rain to identify any deficiencies. It may be necessary to periodically adjust the slope of sections, repair connections, replace hangers, and install shrouds to the gutters. Downspouts should be securely attached to the side of the structure. Any broken straps should be replaced. The area of the outlet should be inspected to promote run-off in the desired direction. Long straight runs should have an elbow at the bottom. Splash blocks should be installed to fray the water out-letting from the downspout.

It is recommended that all gutters be cleaned at least twice each year. If there are a large number of trees located close to a building, consider installing a gutter debris shield that will let water into the gutters but will filter out leaves, twigs, and other debris.





Siding and Trim. The exteriors of the buildings are clad in wood, vinyl, and masonry siding and trim. The siding and trim materials are in generally good condition.





Wooden exterior materials are typically repaired as needed during normal painting cycles. Painting cycles for wooden exteriors vary between five and ten years depending on the grade of wood and the quality of the



materials and finish work. In this study, we have modeled for incremental wood material replacement to coincide with the painting cycle of the facility.

Vinyl siding and trim can have an extended useful life if not damaged by impact, heat, or other physical reasons. However, the coatings and finishes typically have a useful life and over time begin to weather, chalk, and show their age. For these reasons, we have modeled for the replacement of the siding and trim every 25 years.

Brick masonry is used as the main exterior cladding of the building. As masonry weathers, the mortar joints will become damaged by water penetration. As additional water gains access to the joints, repeated freeze-thaw cycles gradually increase the damage to the mortar joints. If allowed to progress, even the masonry units such as brick, block, and stone can have their surfaces affected and masonry units can become loose.

In general, masonry is considered a long-life item and is therefore excluded from reserve funding. However, because weather and other conditions result in the slow deterioration of the mortar in masonry joints, we have included funding in this study for repointing. Repointing is the process of raking and cutting out damaged sections of mortar and replacing them with new mortar.

Periodic repointing and local replacement of damaged masonry units will limit the damage done by moisture penetration. For this study, we assume that 10% of the masonry will require repointing every 10 years after approximately 30 years. For additional information about masonry and repointing, please view the relevant links at http://mdareserves.com/resources/links/building-exterior.

Windows and Doors. The Church is responsible for the common windows and exterior doors of the facility and the individual owners are responsible for the windows and doors attributed to their unit.

The Church is responsible for all of the windows and exterior doors of the facility. The windows and doors are in generally good condition.





Window and door units play an integral part in a facility's overall comfort, efficiency, and energy use. The quality of the installed units and the care taken in their installation and maintenance are major factors in their effectiveness and useful life. These units can have a useful life of 20 to 35 years or more depending on their use and other factors mentioned above.

In general, we recommend coordinating the replacement of these units with other exterior work, such as siding and roof replacements. The weather tightness of the building envelope often requires transitional flashing and caulking that should be performed in coordination with each other. Warranties and advantages in 'economy of scale' can often result in lower overall replacement costs and results that are more reliable. Lastly, coordinated replacements offer the opportunity to correct initial construction defects and improve the effectiveness of details with improved construction techniques and materials.

For more information, please see our links at http://mdareserves.com/resources/links/building-exterior.



BUILDING INTERIORS

Building Interiors. The Church maintains the lobbies, halls, classrooms, residences, offices, and meeting area that are in generally good condition.





We have assumed that the Church will want to maintain these areas in a commercially acceptable condition. Typically, replacement cycles for common interior spaces vary between 5 to 10 years depending on the aesthetic tastes of the Church, usage, and construction. Material selection and the community's preferences are the major factors in setting the reserve components for items such as refurnishing and interior refurbishment. The Church will need to establish these cycles as these facilities age. Maintaining historical records and incorporating these trends and preferences into a future Reserve Study update is the best way to adjust for these cycles.

MECHANICAL & ELECTRICAL

Split and Package HVAC Systems. The heating ventilation and air conditioning (HVAC) of the facility are reported to be in good operating condition. Detailed inspection and testing of these systems is beyond the scope of this study.





The Church maintains a number of HVAC systems that use the refrigerant known as R22. This refrigerant will be phased out of production by the year 2030 and was generally phased out of use in new systems in 2010.

See the EPA, HCFC Phase-out Schedule on our website at http://mdareserves.com/resources/links/building-system. Since most of the community's AC systems rely on the old R22 refrigerant, we assume that the HVAC replacement will include upgrading to the new refrigerant, which is likely to require the replacement of the entire system, including the compressor, coil, and line-set.

The Church maintains a number of HVAC systems that use one of the new generation refrigerants. Unlike the old R22 refrigerant, the new refrigerants are expected to be available throughout the period of this study. However, the operating pressure for new refrigerant systems is approximately twice as high as older systems.



Many of the standard components have not been redesigned for these higher pressures, including the coils, which generally fail due to metal fatique.

Even though manufacturers continue to predict 15 to 20-year life cycles for HVAC equipment that use these new refrigerants, this is not proven by historical data. We therefore recommend anticipating a normal economic life of 15 years for all HVAC equipment that uses pressurized refrigerants of these types.

In addition, the Church maintains air handlers/furnaces throughout the facility, and these components can have a useful life of 20 to 40 years. With fan, motor, and coil replacements performed as needed, the casings of these systems can last significantly longer.

As is the case with most equipment, to achieve a maximum useful economic life, proper maintenance is essential. In some cases, proper and proactive maintenance can greatly extend the useful life of these components.

Building Electrical Service. The electrical systems of the buildings are reported to be operating normally.





Other than transformers and meters and if protected from water damage or overloading, interior electrical systems within a building, including feed lines and switch gear, are considered long-life components, and unless otherwise noted, are excluded from this study.

In order to maintain this equipment properly, periodic tightening of all connections is recommended every three to five years. Insurance policies in some cases may have specific requirements regarding the tightening of electrical connections. It is also recommended that outlets, sockets, switches, and minor fixtures be replaced at a maximum of every 30 years.

Replacement of these smaller components, unless otherwise identified, is considered incidental to refurbishment or is considered a Valuation Exclusion.

This Condition Assessment is based upon our visual survey of the property. The sole purpose of the visual survey was an evaluation of the common elements of the property to ascertain the remaining useful life and the replacement costs of these common elements. Our evaluation assumed that all components met building code requirements in force at the time of construction. Our visual survey was conducted with care by experienced persons, but no warranty or guarantee is expressed or implied.

End of Condition Assessment



CASH FLOW METHOD ACCOUNTING SUMMARY

This St John's Church and School - Cash Flow Method Accounting Summary is an attachment to the St John's Church and School - Replacement Reserve Study dated August 5, 2015 and is for use by accounting and reserve professionals experienced in Church funding and accounting principles. This Summary consists of four reports, the 2015, 2016, and 2017 Cash Flow Method Category Funding Reports (3) and a Three-Year Replacement Funding Report.

- CASH FLOW METHOD CATEGORY FUNDING REPORT, 2015, 2016, and 2017. Each of the 363 Projected Replacements listed in the St John's Church and School Replacement Reserve Inventory has been assigned to one of 28 categories. The following information is summarized by category in each report:
 - O Normal Economic Life and Remaining Economic Life of the Projected Replacements.
 - Cost of all Scheduled Replacements in each category.
 - Replacement Reserves on Deposit allocated to the category at the beginning and end
 of the report period.
 - Cost of Projected Replacements in the report period.
 - Recommended Replacement Reserve Funding allocated to the category during the report period as calculated by the Cash Flow Method.
- THREE-YEAR REPLACEMENT FUNDING REPORT. This report details the allocation of the \$250,000 Beginning Balance (at the start of the Study Year) and the \$1,094,974 of additional Replacement Reserve Funding in 2015 through 2017 (as calculated in the Replacement Reserve Analysis) to each of the 363 Projected Replacements listed in the Replacement Reserve Inventory. These allocations have been made using Chronological Allocation, a method developed by Miller Dodson Associates, Inc., and discussed below. The calculated data includes:
 - Identification and estimated cost of each Projected Replacement scheduled in years 2015 through 2017.
 - Allocation of the \$250,000 Beginning Balance to the Projected Replacements by Chronological Allocation.
 - Allocation of the \$1,094,974 of additional Replacement Reserve Funding recommended in the Replacement Reserve Analysis in years 2015 through 2017, by Chronological Allocation.
- CHRONOLOGICAL ALLOCATION. Chronological Allocation assigns Replacement Reserves to Projected Replacements on a "first come, first serve" basis in keeping with the basic philosophy of the Cash Flow Method. The Chronological Allocation methodology is outlined below.
 - The first step is the allocation of the \$250,000 Beginning Balance to the Projected Replacements in the Study Year. Remaining unallocated funds are next allocated to the Projected Replacements in subsequent years in chronological order until the total of Projected Replacements in the next year is greater than the unallocated funds. Projected Replacements in this year are partially funded with each replacement receiving percentage funding. The percentage of funding is calculated by dividing the unallocated funds by the total of Projected Replacements in the partially funded year.
 - At St John's Church and School the Beginning Balance funds all Scheduled Replacements in the Study Year through 2017 and provides partial funding (28%) of replacements scheduled in 2018.
 - The next step is the allocation of the \$364,991 of 2015 Cash Flow Method Reserve Funding calculated in the Replacement Reserve Analysis. These funds are first allocated to fund the partially funded Projected Replacements and then to subsequent years in chronological order as outlined above. At St John's Church and School the Beginning Balance and the 2015 Replacement Reserve Funding, funds replacements through 2019 and partial funds (32.8%) replacements in 2020.
 - Allocations of the 2016 and 2017 Reserve Funding are done using the same methodology.
 - The Three-Year Replacement Funding Report details component by component allocations made by Chronological Allocation.



2015 - CASH FLOW METHOD CATEGORY FUNDING REPORT

Each of the 363 Projected Replacements included in the St John's Church and School Replacement Reserve Inventory has been assigned to one of the 28 categories listed in TABLE CF1 below. This calculated data is a summary of data provided in the Three-Year Replacement Funding Report and Replacement Reserve Inventory. The accuracy of this data is dependent upon many factors including the following critical financial data:

- A Beginning Balance of \$250,000 as of the first day of the Study Year, January 1, 2015.
- O Total reserve funding (including the Beginning Balance) of \$614,991 in the Study Year.
- O No expenditures from Replacement Reserves other than those specifically listed in the Replacement Reserve Inventory.
- All Projected Replacements scheduled in the Replacement Reserve Inventory in 2015 being accomplished in 2015 at a cost of \$107,901.

If any of these critical factors are inaccurate, do not use the data and please contact Miller Dodson Associates to arrange for an update of the Replacement Reserve Study.

	2015	- CASH FL	OW METHO	DD CATEG	ORY FU	NDING - TA	BLE CF1
	NORMAL	REMAINING	ESTIMATED	2015	2015	2015	201
CATEGORY	ECONOMIC LIFE	ECONOMIC LIFE	REPLACEMENT COST	BEGINNING BALANCE	RESERVE FUNDING	PROJECTED REPLACEMENTS	END OF YEA BALANC
SITE COMPONENTS	6 to 60 years	0 to 54 years	\$294,464	\$5,915		(\$5,915)	
SITE COMPONENTS (CONT.)	10 to 54 years	0 to 53 years	\$311,793	\$85,700	\$324	(\$83,000)	\$3,02
SITE COMPONENTS (CONT.)	3 to 30 years	0 to 20 years	\$75,173	\$5,531	\$12,169	(\$500)	\$17,20
SANCTUARY	5 to 100 years	5 to 38 years	\$443,808		\$6,297		\$6,29
SANCTUARY (CONT.)	3 to 25 years	2 to 15 years	\$82,704	\$30,842	\$14,268		\$45,10
SANCTUARY (CONT.)	14 to 30 years	3 to 20 years	\$140,700	\$34,470	\$86,830		\$121,30
SANCTUARY (CONT.)	10 to 15 years	5 to 10 years	\$24,777		\$7,184		\$7,18
CONVENT	5 to 35 years	0 to 15 years	\$111,925	\$18,486	\$11,912	(\$18,486)	\$11,91
CONVENT (CONT.)	10 to 25 years	5 to 20 years	\$214,470		\$3,342		\$3,34
CONVENT (CONT.)	10 to 24 years	5 to 11 years	\$85,900		\$21,427		\$21,42
CONVENT (CONT.)	20 years	10 years	\$18,900				
SCHOOL	5 to 60 years	5 to 40 years	\$494,551		\$12,150		\$12,15
SCHOOL (CONT.)	7 to 25 years	5 to 15 years	\$1,053,804		\$81,644		\$81,64
SCHOOL (CONT.)	10 to 24 years	5 to 24 years	\$156,300		\$2,785		\$2,78
SCHOOL (CONT.)	10 to 30 years	5 to 15 years	\$92,604		\$6,552		\$6,55
SCHOOL (CONT.)	24 years	5 to 12 years	\$115,400		\$21,754		\$21,75
HELLER HALL	3 to 35 years	2 to 20 years	\$169,193	\$62,876	\$12,950		\$75,82
HELLER HALL (CONT.)	10 to 25 years	5 to 23 years	\$208,502		\$655		\$65
HELLER HALL (CONT.)	10 to 30 years	10 to 15 years	\$84,671				
GYMNASIUM	5 to 50 years	5 to 35 years	\$153,554		\$4,243		\$4,24
GYMNASIUM (CONT.)	3 to 25 years	3 to 10 years	\$153,904	\$3,836	\$22,212		\$26,04
GYMNASIUM (CONT.)	10 to 25 years	5 to 14 years	\$165,704		\$26,293		\$26,29
GYMNASIUM (CONT.)	15 to 20 years	15 to 20 years	\$94,718				
RECTORY	3 to 35 years	3 to 20 years	\$125,644	\$1,208	\$3,042		\$4,25
RECTORY (CONT.)	14 to 24 years	10 to 15 years	\$100,454				
HOUSE OF MINISTRIES	3 to 25 years	3 to 23 years	\$100,821	\$1,137	\$3,682		\$4,81
HOUSE OF MINISTRIES (CONT.)	15 to 20 years	10 to 14 years	\$23,034				
MISC.	20 to 60 years	•	\$100,430		\$3,276		\$3,27



2016 - CASH FLOW METHOD CATEGORY FUNDING REPORT

Each of the 363 Projected Replacements included in the St John's Church and School Replacement Reserve Inventory has been assigned to one of the 28 categories listed in TABLE CF2 below. This calculated data is a summary of data provided in the Three-Year Replacement Funding Report and Replacement Reserve Inventory. The accuracy of this data is dependent upon many factors including the following critical financial data:

- Replacement Reserves on Deposit totaling \$507,090 on January 1, 2016.
- O Total reserve funding (including the Beginning Balance) of \$979,983 from 2015 through 2016.
- O No expenditures from Replacement Reserves other than those specifically listed in the Replacement Reserve Inventory.

If any of these critical factors are inaccurate, do not use the data and please contact Miller Dodson Associates to arrange for an update of the Replacement Reserve Study.

	2016	- CASH FI	OW METH	OD CATE	ORY FU	NDING - TA	ABLE CF2
	NORMAL	REMAINING	ESTIMATED	2016	2016	2016	2016
CATEGORY	ECONOMIC LIFE	ECONOMIC LIFE	REPLACEMENT COST	BEGINNING BALANCE	RESERVE FUNDING	PROJECTED REPLACEMENTS	END OF YEAR BALANCE
SITE COMPONENTS	6 to 60 years	5 to 59 years	\$294,464				
SITE COMPONENTS (CONT.)	10 to 54 years	1 to 53 years	\$311,793	\$3,024	\$479		\$3,502
SITE COMPONENTS (CONT.)	3 to 30 years	1 to 24 years	\$75,173	\$17,200	\$15,876		\$33,076
SANCTUARY	5 to 100 years	4 to 37 years	\$443,808	\$6,297	\$9,311		\$15,608
SANCTUARY (CONT.)	3 to 25 years	1 to 14 years	\$82,704	\$45,109	\$10,512		\$55,622
SANCTUARY (CONT.)	14 to 30 years	2 to 19 years	\$140,700	\$121,300			\$121,300
SANCTUARY (CONT.)	10 to 15 years	4 to 9 years	\$24,777	\$7,184	\$10,622		\$17,806
CONVENT	5 to 35 years	4 to 19 years	\$111,925	\$11,912	\$17,614		\$29,526
CONVENT (CONT.)	10 to 25 years	4 to 19 years	\$214,470	\$3,342	\$4,941		\$8,283
CONVENT (CONT.)	10 to 24 years	4 to 10 years	\$85,900	\$21,427	\$31,682		\$53,109
CONVENT (CONT.)	20 years	9 years	\$18,900				
SCHOOL	5 to 60 years	4 to 39 years	\$494,551	\$12,150	\$17,966		\$30,116
SCHOOL (CONT.)	7 to 25 years	4 to 14 years	\$1,053,804	\$81,644	\$120,722		\$202,366
SCHOOL (CONT.)	10 to 24 years	4 to 23 years	\$156,300	\$2,785	\$4,118		\$6,903
SCHOOL (CONT.)	10 to 30 years	4 to 14 years	\$92,604	\$6,552	\$9,689		\$16,241
SCHOOL (CONT.)	24 years	4 to 11 years	\$115,400	\$21,754	\$32,167		\$53,921
HELLER HALL	3 to 35 years	1 to 19 years	\$169,193	\$75,826	\$8,564		\$84,390
HELLER HALL (CONT.)	10 to 25 years	4 to 22 years	\$208,502	\$655	\$969		\$1,624
HELLER HALL (CONT.)	10 to 30 years	9 to 14 years	\$84,671				
GYMNASIUM	5 to 50 years	4 to 34 years	\$153,554	\$4,243	\$6,273		\$10,516
GYMNASIUM (CONT.)	3 to 25 years	2 to 9 years	\$153,904	\$26,048	\$18,554		\$44,602
GYMNASIUM (CONT.)	10 to 25 years	4 to 13 years	\$165,704	\$26,293	\$38,878		\$65,171
GYMNASIUM (CONT.)	15 to 20 years	14 to 19 years	\$94,718				
RECTORY	3 to 35 years	2 to 19 years	\$125,644	\$4,250			\$4,250
RECTORY (CONT.)	14 to 24 years	9 to 14 years	\$100,454				
HOUSE OF MINISTRIES	3 to 25 years	2 to 22 years	\$100,821	\$4,819	\$1,211		\$6,030
HOUSE OF MINISTRIES (CONT.)	15 to 20 years	9 to 13 years	\$23,034				
MISC.	20 to 60 years	4 to 19 years	\$100,430	\$3,276	\$4,844		\$8,121



2017 - CASH FLOW METHOD CATEGORY FUNDING REPORT

Each of the 363 Projected Replacements included in the St John's Church and School Replacement Reserve Inventory has been assigned to one of the 28 categories listed in TABLE CF3 below. This calculated data is a summary of data provided in the Three-Year Replacement Funding Report and Replacement Reserve Inventory. The accuracy of this data is dependent upon many factors including the following critical financial data:

- Replacement Reserves on Deposit totaling \$872,082 on January 1, 2017.
- O Total Replacement Reserve funding (including the Beginning Balance) of \$1,344,974 from 2015 to 2017.
- No expenditures from Replacement Reserves other than those specifically listed in the Replacement Reserve Inventory.
- All Projected Replacements scheduled in the Replacement Reserve Inventory in 2017 being accomplished in 2017 at a cost of \$95,197.

If any of these critical factors are inaccurate, do not use the data and please contact Miller Dodson Associates to arrange for an update of the Replacement Reserve Study.

	2017	- CASH FL	OW METHO	DD CATE	ORY FU	NDING - TA	BLE CF
	NORMAL	REMAINING	ESTIMATED	2017	2017	2017	20
CATEGORY	ECONOMIC LIFE	ECONOMIC LIFE	REPLACEMENT COST	BEGINNING BALANCE	RESERVE FUNDING	PROJECTED REPLACEMENTS	END OF YEA BALANC
SITE COMPONENTS	6 to 60 years	4 to 58 years	\$294,464		\$17,923		\$17,92
SITE COMPONENTS (CONT.)	10 to 54 years	0 to 52 years	\$311,793	\$3,502	\$186	(\$2,700)	\$98
SITE COMPONENTS (CONT.)	3 to 30 years	0 to 23 years	\$75,173	\$33,076	\$7,536	(\$4,463)	\$36,14
SANCTUARY	5 to 100 years	3 to 36 years	\$443,808	\$15,608	\$3,612	(ψ1,100)	\$19,22
SANCTUARY (CONT.)	3 to 25 years	0 to 13 years	\$82,704	\$55,622	\$10,963	(\$28,000)	\$38,58
SANCTUARY (CONT.)	14 to 30 years	1 to 18 years	\$140,700	\$121,300	(\$0)	(420,000)	\$121,30
SANCTUARY (CONT.)	10 to 15 years	3 to 8 years	\$24,777	\$17,806	\$4,121		\$21,9
CONVENT	5 to 35 years	3 to 18 years	\$111,925	\$29,526	\$6,833		\$36,3
CONVENT (CONT.)	10 to 25 years	3 to 18 years	\$214,470	\$8,283	\$1,917		\$10,2
CONVENT (CONT.)	10 to 24 years	3 to 9 years	\$85,900	\$53,109	\$12,291		\$65,4
CONVENT (CONT.)	20 years	8 years	\$18,900	, ,	, ,		* /
SCHOOL	5 to 60 years	3 to 38 years	\$494,551	\$30,116	\$6,970		\$37,0
SCHOOL (CONT.)	7 to 25 years	3 to 13 years	\$1,053,804	\$202,366	\$210,341		\$412,7
SCHOOL (CONT.)	10 to 24 years	3 to 22 years	\$156,300	\$6,903	\$1,597		\$8,5
SCHOOL (CONT.)	10 to 30 years	3 to 13 years	\$92,604	\$16,241	\$3,759		\$20,0
SCHOOL (CONT.)	24 years	3 to 10 years	\$115,400	\$53,921	\$12,479		\$66,4
HELLER HALL	3 to 35 years	0 to 18 years	\$169,193	\$84,390	\$10,207	(\$60,034)	\$34,5
HELLER HALL (CONT.)	10 to 25 years	3 to 21 years	\$208,502	\$1,624	\$376		\$2,0
HELLER HALL (CONT.)	10 to 30 years	8 to 13 years	\$84,671				
GYMNASIUM	5 to 50 years	3 to 33 years	\$153,554	\$10,516	\$2,434		\$12,9
GYMNASIUM (CONT.)	3 to 25 years	1 to 8 years	\$153,904	\$44,602	\$16,492		\$61,0
GYMNASIUM (CONT.)	10 to 25 years	3 to 12 years	\$165,704	\$65,171	\$15,083		\$80,2
GYMNASIUM (CONT.)	15 to 20 years	13 to 18 years	\$94,718				
RECTORY	3 to 35 years	1 to 18 years	\$125,644	\$4,250	\$2,926		\$7,1
RECTORY (CONT.)	14 to 24 years	8 to 13 years	\$100,454				
HOUSE OF MINISTRIES	3 to 25 years	1 to 21 years	\$100,821	\$6,030	\$15,065		\$21,0
HOUSE OF MINISTRIES (CONT.)	15 to 20 years	8 to 12 years	\$23,034				
MISC.	20 to 60 years	3 to 18 years	\$100,430	\$8,121	\$1,879		\$10,00



August 5, 2015

CASH FLOW METHOD - THREE-YEAR REPLACEMENT FUNDING REPORT

TABLE CF4 below details the allocation of the \$250,000 Beginning Balance, as reported by the Association and the \$1,094,974 of Replacement Reserve Funding calculated by the Cash Flow Method from 2015 to 2017, to the 363 Projected Replacements listed in the Replacement Reserve Inventory. These allocations have been made by Chronological Allocation, a method developed by Miller Dodson Associates, Inc., and outlined on Page CF1. The accuracy of the allocations is dependent upon many factors including the following critical financial data:

- O Replacement Reserves on Deposit totaling \$250,000 on January 1, 2015.
- O Replacement Reserves on Deposit totaling \$507,090 on January 1, 2016.
- Replacement Reserves on Deposit totaling \$872,082 on January 1, 2017.
- Total Replacement Reserve funding (including the Beginning Balance) of \$1,344,974 from 2015 to 2017.
- No expenditures from Replacement Reserves other than those specifically listed in the Replacement Reserve Inventory.
- All Projected Replacements scheduled in the Replacement Reserve Inventory from 2015 to 2017 being accomplished as scheduled in the Replacement Reserve Inventory at a cost of \$203,098.

If any of these critical factors are inaccurate, do not use the data and please contact Miller Dodson Associates, Inc., to arrange for an update of the Replacement Reserve Study.

Descrip						ACEMENT FU	INDING	- TABL	E CF4
	tion of Estimated	_	2015	2015 201		2016 2016	2017	2017	2017
Item Proje			Reserve Pro	jected End of Yea	r Reserve	Projected End of Year	Reserve	Projected	End of Year
# Replace	ement Costs	s Balance	Funding Replace	ments Balanc	e Funding	Replacements Balance	Funding	Replacements	Balance
SITE COMPONEN	TS								
1 Pavement, mill and	overlay 166,203	3							
2 Pavement, rejuvena	tor seal coat 20,119)					13,851		13,851
3 Parking bumpers	1,500)							
4 Concrete curb and g	gutter (20% allowar 9,439)							
5 Concrete curb and g	gutter (20% allowar 9,439)							
6 Concrete curb and g	gutter (20% allowar 9,439)							
7 Concrete curb	18,585	5							
8 Asphalt curb	588	3							
9 Concrete flatwork (6%) 5,915	5,915	(5,915)					
10 Concrete flatwork (6%) 5,915	5					4,072		4,072
11 Concrete flatwork (6%) 5,915	5							
12 Concrete flatwork (5							
13 Concrete flatwork (
14 Concrete flatwork (
15 Concrete flatwork (5							
16 Concrete flatwork (
17 Concrete flatwork (
18 Concrete flatwork (
SITE COMPONEN									
19 Concrete site stairs									
20 Lamp post	9,000								
21 Lamp post head	2,700			2,70		2,700		(2,700)	
22 Brick retaining wall			324	32	479	802	186		988
23 Concrete retaining v				0,000)					
24 Concrete stairs (full			(1,800)					
25 Concrete retaining									
26 Concrete stairs (full									
27 Stone retaining, 109			(1,200)					
28 Stone retaining, rep									
29 Wood privacy fence									
30 8' Metal fencing, re									
31 8' Metal fencing (10	0% allowance) 2,905	5							
SITE COMPONEN	TS (CONT.)								
32 Metal railing (20%				(500)					
33 Metal railing (20%			164	16	4 242	406	94		500
34 Metal railing (20%									
35 Metal railing (20%									
36 Metal railing (20%	allowance) 500)							
37 Wood sign	1,600								
38 Storm Water Manag									
39 Foundation planting	gs (allowance) 2,000	568	1,432	2,00	O	2,000	1,377		3,377



												ST JOHN'15
								ENT FUND				
Item	Description of Projected	Estimated Replacement	Allocation of Beginning	2015 Reserve		2015 End of Year	2016 Reserve	•	2016 of Year	2017 Reserve	2017 Projected	2017 End of Year
# 40	Replacement	Costs	Balance		Replacements	Balance	_	Replacements 1	Balance	Funding 839	Replacements	Balance
41	Tot lot, mulch Tot lot, playset	4,463 18,000	4,463	1,462 5,897		5,925 5,897	2,162 8,720		8,086 14,617	3,383	(4,463)	4,463 18,000
42	Tot lot, jungle gym	4,800		1,573		1,573	2,325		3,898	902		4,800
43	Tot lot, swing	2,400		786		786	1,163		1,949	451		2,400
44	Tot lot, PTL border	2,610		855		855	1,264		2,119	491		2,610
45	Tot lot, fence	9,800										
46	Genie lift	18,000										
	SANCTUARY											
47	Slate shingle roofing	250,800										
48	Built-up roofing	14,300										
49	8" roof scuppers and downspouts	12,320										
50	Stone exterior repoint (10% allowance)			1 474		1 474	2 190		2 651	846		4.500
51	Caulking (allowance)	4,500		1,474		1,474	2,180		3,654	846		4,500
52 53	Exterior door (allowance) Windows (3' x 4')	10,000 4,860		1,592		1,592	2,354		3,947	913		4,860
55 54	Windows (3' x 6')	2,160		708		708	1,046		1,754	406		2,160
55	Windows (3' x 6')	5,000		1,638		1,638	2,422		4,060	940		5,000
56	Stained glass restoration (allowance)	100,000		1,050		1,050	2, .22		.,000	1.0		2,000
57	Stained glass ventilators (allowance)	10,000										
58	Exterior building lights	2,700		885		885	1,308		2,193	507		2,700
		_,,,,,					-,,,,,		_,			_,,
	SANCTUARY (CONT.)											
59	Interior painting (allowance)	10,000	2,842	7,158		10,000			10,000	6,885	(20.000)	16,885
60	Organ, restoration (allowance)	28,000	28,000			28,000			28,000		(28,000)	
61	Pendant fixture, refurbish	10,800										
62	Private restroom, renovation	5,204		2 276		2.276	4.044		0.101	1.070		10.000
63 64	Interior door (allowance)	10,000		3,276		3,276	4,844		8,121	1,879		10,000
65	Exit sign Fire Alarm Control Panel	1,000 10,200		3,342		3,342	4,941		8,283	1,917		10,200
66	Fire Alarm Booster Panel	1,500		491		491	727		1,218	282		1,500
67	Water heater	1,000		421		471	/2/		1,210	202		1,500
68	Electrical (allowance)	5,000										
	SANCTUARY (CONT.)											
69	Exhaust fan (15,000 cfm)	3,000										
70	Fan/coil unit (120,000 btu)	20,800	5,911	14,889		20,800			20,800			20,800
71	Condensing Unit (25 ton)	20,800	5,911	14,889		20,800			20,800			20,800
72	Fan/coil unit (45,000 btu)	13,000	3,694	9,306		13,000			13,000			13,000
73	Condensing Unit (15 ton)	20,800	5,911	14,889		20,800			20,800			20,800
74	Fan/coil unit (45,000 btu)	13,000	3,694	9,306		13,000			13,000			13,000
75	Compressor (2 ton)	6,400										
76	Fan/coil unit (45,000 btu)	6,500	1,847	4,653		6,500			6,500			6,500
77	Compressor (3 ton)	6,400	1,819	4,581		6,400			6,400			6,400
78 79	Boiler, (1,700 MBH) AHU (cfm)	20,000 10,000	5,683	14,317		20,000			20,000			20,000
	SANCTUARY (CONT.)											
30	CCTV system	2,850										
81	A/V Design/Integration	2,500		819		819	1,211		2,030	470		2,500
82	Wireless receiver	450		147		147	218		365	85		450
83	Lapel microphone	600		197		197	291		487	113		600
84	4 CH. mixer	199		65		65	96		162	37		199
85	400 W power amp	300		98		98	145		244	56		300
86	CD/MP3	350		115		115	170		284	66		350
87	Power control	250		82		82	121		203	47		250
88	Hearing aid system	1,549		507		507	750		1,258	291		1,549
89	Cabling	3,000		983		983	1,453		2,436	564		3,000
90	Wall mount speaker	4,000		1,310		1,310	1,938		3,248	752		4,000
91	Loudspeaker	1,600		524		524	775		1,299	301		1,600
92	Ceiling speaker	1,200		393		393	581		974	226		1,200
93	DVR	4,500		1,474		1,474	2,180		3,654	846		4,500
94 95	Hard drive Hearing aid adapter	400 1,029		131 337		131 337	194 498		325 836	75 193		400 1,029
ر ر	CONVENT	1,02)		337		331	170		050	1/3		1,029
	CONVENT											
0.6	D 74											
	Built-up roof Membrane roof w/ insulation	11,184 18,486	18,486	3,664	(18,486)	3,664	5,418		9,082	2,102		11,184
97	*		18,486	3,664	(18,486)	3,664	5,418		9,082	2,102		11,184
96 97 98 99	Membrane roof w/ insulation	18,486	18,486	3,664 550	(18,486)	3,664 550	5,418		9,082 1,364	2,102		11,184 1,680



	CASH FL		THOD -	TUDE	=_VE	DEDI	ACEME	NIT ELIK	IDING	- TARI		ST JOHN'15
	Description of	Estimated	Allocation	2015	2015	2015	2016	2016	2016	2017	2017	2017
Item #	Projected Replacement	Replacement Costs	of Beginning Balance	Reserve Funding I	Projected Replacements	End of Year Balance	Reserve Funding F	Projected 1 Replacements	End of Year Balance	Reserve Funding	Projected Replacements	End of Year Balance
101	Caulking (allowance)	4,500		1,474		1,474	2,180		3,654	846		4,500
102	Exterior door (allowance)	10,000		3,276		3,276	4,844		8,121	1,879		10,000
103	Exterior building lights	400		131		131	194		325	75		400
104	Windows (4' x 6')	39,960										
105 106	Windows (18" x 3') Windows (24"X48") stained glass cove	400 7,200										
100		7,200										
	CONVENT (CONT.)											
107	Renovation (phase 1)	46,740										
108	Renovation (phase 2)	46,740										
109	Renovation (phase 3)	46,740										
110 111	Piano, restoration (upright) Small restroom w/shower, renovation	5,000 36,000										
112	Interior door (allowance)	10,000										
113	Laundry room appliances	2,000										
114	Chapel (ceiling spot lighting)	5,000										
115	Chapel (sound system)	3,550										
116	Overhead doors	2,500										
117	Fire Alarm System	10,200		3,342		3,342	4,941		8,283	1,917		10,200
	CONVENT (CONT.)											
118	Domestic water piping (allowance)	4,000										
119	Water heater (boiler)	2,000										
120	Boiler buddy	2,000										
121	Electrical	5,000										
122	Exhaust fan (15,000 cfm)	3,000										
123	Self-contained unit	4,500										
124	Fan/coil unit (45,000 btu)	6,500		2,130		2,130	3,149		5,278	1,222		6,500
125	Compressor (3 ton)	6,500		2,130		2,130	3,149		5,278	1,222		6,500
126	Fan/coil unit (45,000 btu)	6,500		2,130		2,130	3,149		5,278	1,222		6,500
127	Compressor (3 ton)	6,500		2,130		2,130	3,149		5,278	1,222		6,500
128	Fan/coil unit (45,000 btu)	6,500		2,130		2,130	3,149		5,278	1,222		6,500
129	Compressor (3 ton)	6,500		2,130		2,130	3,149		5,278	1,222		6,500
130	Fan/coil unit (30,000 btu)	3,200		1,048		1,048	1,550		2,599	601		3,200
131	Compressor (2 ton)	3,200		1,048		1,048	1,550		2,599	601		3,200
132	Boiler, (1,000 MBH)	20,000		6,552		6,552	9,689		16,241	3,759		20,000
	CONVENT (CONT.)											
133	Countertop and Basin	8,000										
134	Kitchen flooring	1,200										
135	Refrigeration	3,600										
136	Wall cabinet	4,500										
137	Dishwasher	800										
138	Range/Oven	800										
	SCHOOL											
139	Slate shingle	328,730										
140	Membrane roof	26,130		8,561		8,561	12,658		21,219	4,911		26,130
141	Gutters and downspouts (8")	1,056		346		346	512		858	198		1,056
142	8" roof scuppers and downspouts	11,200		3.0		5.0	312		050	1,0		1,050
143	Brick veneer repoint (10% allowance)	21,000										
144	Caulking (allowance)	4,500		1,474		1,474	2,180		3,654	846		4,500
145	Exterior door (allowance)	10,000										
146	Wood trim (allowance)	5,000		1,638		1,638	2,422		4,060	940		5,000
147	Windows (3' x 7')	67,095										
148	Glass block	3,600										
149 150	Windows (4' x 4')	15,840 400		131		131	194		325	75		400
150	Exterior building lights	400		131		131	154		323	73		400
	SCHOOL (CONT.)											
151	School/Classroom renovation (phase 1	237,500		77,811		77,811	115,054		192,864	44,636		237,500
152	School/Classroom renovation (phase 2									163,507		163,507
153	School/Classroom renovation (phase 3	237,500										
154	School/Classroom renovation (phase 4											
155	Blinds	10,000										
156	Teacher kitchenette renovation	14,466										
157	Private restroom, renovation	5,204										
158	Standard restroom, renovation	20,000										
159 160	Education restroom, renovation	20,700 2,992										
161	Music room flooring Music room ceiling	2,992										
101	masic room cennig	4,992										



	OAOII I E	O VV IVIL	THOD.	· IUKE			ACEME	NT FU	ADING .	- IADL	E CF4	cont'd
Item	Description of Projected	Estimated Replacement	Allocation of Beginning	2015 Reserve	2015 Projected	2015 End of Year	2016 Reserve	2016 Projected	2016 End of Year	2017 Reserve	2017 Projected	2017 End of Year
#	Replacement	Costs	Balance	Funding R	deplacements	Balance	Funding 1	Replacements	Balance	Funding 1	Replacements	Balance
162 163	Smoke detector Fire strobe	3,500 250										
64	Fire alarm pull	1,250										
165	Interior door (allowance)	10,000										
166	Exit sign	750										
167	Fire Alarm Control Annunciator Panel	10,200		3,342		3,342	4,941		8,283	1,917		10,200
168	Fire Alarm Booster Panel	1,500		491		491	727		1,218	282		1,500
	SCHOOL (CONT.)											
169	Domestic water piping (allowance)	4,000										
170	Water heater	8,500		2,785		2,785	4,118		6,903	1,597		8,500
171	Electrical (allowance)	5,000										
172 173	Exhaust fan (15,000 cfm)	3,000										
173 174	Fan/coil unit (75,000 btu) Compressor (5 ton)	10,400 10,400										
175	Fan/coil unit (30,000 btu)	3,200										
176	Compressor (2 ton)	3,200										
177	Fan/coil unit (20,000 btu)	6,400										
178	Compressor (1.5 ton)	6,400										
179	Fan/coil unit (60,000 btu)	20,800										
80	Carrier 50ss048	13,000										
181	Boiler Glycol system	2,000										
182	Boiler, (1,700 MBH)	40,000										
183	Water Heater	17,000										
184	Pass-thru fan/coil unit	3,000										
	SCHOOL (CONT.)											
85	Accessibility lift	20,000		6,552		6,552	9,689		16,241	3,759		20,000
186	Sump pump	2,500										
87	Access Control System (ACS)	6,604										
88	CCTV system	2,850										
89	Dumpster pad	4,000										
90	Cafeteria flooring	3,750										
91	Commercial refrigeration	7,000 9,000										
192	Cabinets and counter top Exhaust hood	8,000										
194	Ice machine	3,500										
95	Kitchen flooring	2,400										
96	Range	10,000										
97	Folding cafeteria table	12,000										
198	Food Warmer Box	1,000										
	SCHOOL (CONT.)											
99	Fan/coil unit, (18,000 btu) classroom	49,000										
200	Compressor (2.5 ton)	6,400		2,097		2,097	3,100		5,197	1,203		6,400
201	Compressor (2.5 ton)	6,400		2,097		2,097	3,100		5,197	1,203		6,400
202	Compressor (2.5 ton)	3,200		1,048		1,048	1,550		2,599	601		3,200
203	Compressor (2 ton)	6,400		2,097		2,097	3,100		5,197	1,203		6,400
204	Compressor (5 ton)	31,200		10,222		10,222	15,114		25,336	5,864		31,200
205	Compressor (2 ton)	9,600		3,145		3,145	4,651		7,796	1,804		9,600
206	Compressor (2 ton)	3,200		1,048		1,048	1,550		2,599	601		3,200
	HELLER HALL											
207	Built-up roof	44,590	44,590			44,590			44,590		(44,590)	
208	8" Gutters and downspouts	3,600	3,600			3,600			3,600		(3,600)	
209	Roof hatch	1,680										
210	Brick veneer repoint (10% allowance)	7,344	7,344			7,344			7,344		(7,344)	
211	Caulking (allowance)	4,500	4,500			4,500			4,500		(4,500)	
212	Exterior door (allowance)	10,000										
213 214	Windows (4' x 8') Windows (3' x 8')	11,520 49,680										
214	Exterior building lights	49,680		131		131	194		325	75		400
216	Blinds	3,600		131		131	174		343	13		400
217	VCT	17,279		5,661		5,661	8,370		14,031	3,247		17,279
218	Interior painting (allowance)	10,000	2,842	7,158		10,000	0,570		10,000	6,885		16,885
219	Piano, restoration (upright)	5,000	_,0.2	.,150		,000			,	-,500		,000
	HELLER HALL (CONT.)											
20	Private restroom, renovation	2,602										
221	Standard restroom, renovation	20,000										
221												



	Description of	Estimated	Allocation	2015	2015	R REPL	2016	2016 2016	2017	.E CF4	cont'd
Item #	Projected Replacement	Replacement Costs	of Beginning Balance	Reserve		d of Year Balance		Projected End of Year	Reserve		End of Ye
223	Auditorium (ceiling lighting)	5,000	Datatice	runung K	epiacements	Dalance	runung kepi	acements barance	runding r	Replacements	Daiai
224	Exit sign	500									
225	Interior door (allowance)	10,000									
226	Ceiling speakers	800									
227	Domestic water piping (allowance)	4,000									
228	Water heater	2,000		655		655	969	1,624	376		2,0
229	Electrical (allowance)	5,000									
230	Exhaust fan (15,000 cfm)	3,000									
231	Fan/coil unit (225,000 BTU)	10,400									
232	Compressor (15 ton)	20,800									
233	Fan/coil unit (45,000 BTU)	52,000									
234	Compressor (3 ton)	52,000									
235	Compressor (5 ton)	10,400									
	HELLER HALL (CONT.)										
236	Boiler, (1,700 MBH)	20,000									
237	Water Heater	1,000									
238	A/V system	13,398									
239	A/V Design/Integration	2,500									
240	4 CH. mixer	199									
241	400 W power amp	300									
242	CD/MP3	350									
243	Power control	250									
244	Cabling	3,000									
245	Speakers	1,600									
246	Stackable chair (metal frame, plastic)	3,840									
247	6' round banquet table 8' rectangle table	2,650									
248 249	· ·	1,900 2,184									
250	Kitchen flooring Commercial Refrigeration	3,200									
251	Ice Machine	1,500									
252	Exhaust hood w/ suppression	8,800									
253	Cabinets and countertop	8,000									
254	Commercial Range	10,000									
	GYMNASIUM										
255	Asphalt shingle	80,164									
256	Gutters and downspouts	6,360									
257	Brick veneer repoint (10% allowance)										
258	Caulking (allowance)	4,500		1,474		1,474	2,180	3,654	846		4,5
259	Exterior door (allowance)	10,000									
260	Wood trim (allowance)	5,000		1,638		1,638	2,422	4,060	940		5,0
261	Corrugated metal awning	19,200									
262	Windows (3' x 3')	4,860									
263	Windows (4' x 6')	5,950									
264 265	Windows (4' x 3')	3,150 900									
	Windows (2' x 2') Exterior building lights, small			82		92	121	202	47		,
266 267	Exterior building lights, large	250 1,200		82 393		82 393	121 581	203 974	226		1,2
268	Walkway lights, recessed	2,000		655		655	969	1,624	376		2,0
		-,0						-,,521	2.9		_,
	GYMNASIUM (CONT.)										
269	Conference Center, renovation	26,600		8,715		8,715	12,886	21,601	4,999		26,
270	Interior painting (allowance)	10,000	2,842	7,158		10,000		10,000	6,885		16,8
271	Gymnasium flooring restoration	3,500	995	2,505		3,500		3,500	2,410		5,9
272	Private restroom, renovation	5,204									
273	Standard restroom, renovation	20,000									
274	Shower room, tbd	18,000									
275	Interior door (allowance) Gymnasium (ceiling down light)	10,000 14,400									
276 277	Gymnasium (ceiling down light) Gymnasium (ceiling spot lighting)	9,000									
278	Emergency lights	1,250									
279	Exit sign	1,250									
280	Fire Alarm Control Panel	10,200		3,342		3,342	4,941	8,283	1,917		10,2
281	Fire Alarm, booster panel	1,500		491		491	727	1,218	282		1,
282	Fire sprinkler compressor for dry pipe							-,210			-,-
283	Fire sprinkler system (allowance)	10,000									
284	Smoke detector	10,000									
285	Fire strobe	1,500									
286	Fire alarm pull	750									



August 5, 2015

11545502ST JOHN'15 CASH FLOW METHOD - THREE-YEAR REPLACEMENT FUNDING - TABLE CF4 cont'd Description of Estimated Allocation 2015 2015 2015 2016 2016 2016 2017 2017 2017 Projected Projected End of Year Reserve Projected End of Year Projected End of Year Replacement of Beginning Reserve Item Reserve Replacemen Costs Funding Replacements 287 Emergency lights 750 4 000 1 310 1 938 3 248 752 4 000 288 Domestic water piping (allowance) 1 310 289 Water heater 1.000 328 328 484 812 188 1,000 290 Exhaust fan (15.000 cfm) 1,500 291 Electrical (allowance) 5,000 1,638 1,638 2,422 4,060 940 5,000 292 Fan/coil unit (75,000 btu) 20,800 Compressor (5 ton) 20,800 294 Condensing Unit (25 ton) 41,600 AHU w/ coil (200,000 btu) 41,600 13,629 20,153 33,782 7,818 41,600 295 13,629 Unit Heater (150,000 btu) 13.000 4.259 10.557 2.443 13.000 296 4.259 6.298 297 Water Heater 262 262 388 800 650 150 800 298 Access Control System (ACS) 6,604 2,164 2.164 3.199 5,363 1.241 6,604 4,385 299 Camera 5 400 1.769 1.769 2.616 1.015 5,400 300 CCTV system 2,850 934 934 1.381 2,314 536 2,850 GYMNASIUM (CONT.) A/V system 13,398 Projector and screen 6,500 303 Folding table 2,400 304 64,000 Bleachers 305 Scoreboard system 5.000 306 Concrete pad 3,420 RECTORY 307 Asphalt shingle 12.725 308 Garage, Asphalt shingle 6,970 Built-up roof 20,800 310 Gutters and downspouts 1,926 Soffit, vinyl 1,140 311 10,800 Siding, painted aluminum, restoration 312 313 Garage door 4.000 314 Windows (3' x 5') 29.700 315 Carpet 10 625 316 VCT 3 300 317 Interior painting (allowance) 4,000 1.137 2.863 4,000 4,000 2,754 6,754 318 Small restroom, renovation 9,000 Wood flooring restoration 250 71 179 250 250 172 422 10,408 Private restroom, renovation RECTORY (CONT.) Fan/coil unit (45,000 btu) 13,000 321 322 Compressor (3 ton) 6,400 323 Fan/coil unit (30,000 btu) 6,400 324 Compressor (2 ton) 6,400 325 Fan/coil unit (75,000 btu) 20,800 326 Compressor (5 ton) 10,400 327 Boiler, (50 MBH) 10,000 328 Water Heater 8,500 Access Control System (ACS) 6,604 330 CCTV system 2,850 331 Countertop and Basin 3,000 Kitchen flooring 332 900 1.800 333 Refrigeration 334 Enclosed base cabinet 2,000 335 Dishwasher 700 336 700 Range HOUSE OF MINISTRIES 337 Asphalt shingle 10,893 338 Gutters and downspouts 2,160 1,254 339 Soffit, vinyl 340 20.064 Siding, vinyl 4.000 341 Garage door 342 Carpet 8.500 343 Interior painting (allowance) 4.000 1.137 2.863 4,000 4,000 2.754 6,754 344 Small restroom w/shower, renovation 5,000 345 Emergency lights 1,250 346 Water heater (80 gal.) 2,500 819 819 1,211 2,030 470 2,500 Compressor (2 ton) 3,200 348 Compressor (5 ton) 20,800 349 Fan/coil unit (60,000 btu) 13,000 8,950 8,950 Fan/coil unit (30,000 btu) 350 3.200 2.203 2.203



St John's Church and School

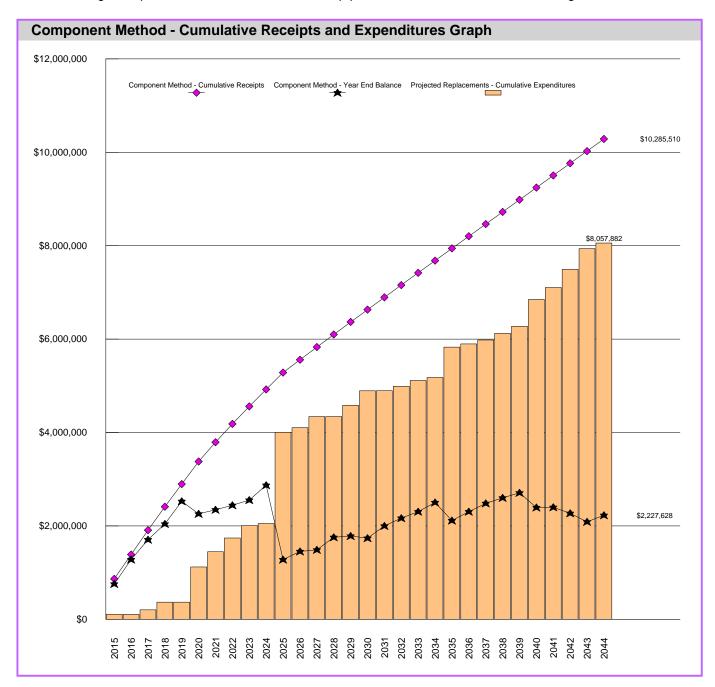
Projected Replacement Of Beginning Reserve Projected End of Year Reserve Projected End of Year Replacements Balance Sump pump 1,000 HOUSE OF MINISTRIES (CONT.) Access Control System (ACS) CCTV system 2,850 Commercial Refrigeration 1,800 Cabinet and countertop 5,000 Commercial Range 750 ADA ramp 5,280 MISC. Allowance for Steeple Cross Allowance for Church Pew Restoratior Guest house, asphalt shingle Guest house, gutters and downspouts 75,000 Guest house, gutters and downspouts 75,000 Guest house, gutters and downspouts				- THREE-YEA					
Replacement Costs Balance Funding Replacements Punding Punding	em		Estimated Replacement						
HOUSE OF MINISTRIES (CONT.) Access Control System (ACS)		Replacement	Costs					Funding Rep	lacements Balan
Access Control System (ACS) 6,604 CCTV system 2,850 Kitchen flooring 750 Commercial Refrigeration 1,800 Cabinet and countertop 5,000 Commercial Range 750 ADA ramp 5,280 MISC. Allowance for Steeple Cross 10,000 3,276 3,276 4,844 8,121 1,879 10, Guest house, asphalt shingle 3,766 Guest house, gutters and downspouts 720	1	Sump pump	1,000					688	6
CCTV system		HOUSE OF MINISTRIES (CONT.)							
Commercial Refrigeration 1,800 Commercial Refrigeration 1,800 Commercial Range 750 Commercial Range 750 ADA ramp 5,280 MISC. Allowance for Steeple Cross 10,000 3,276 3,276 4,844 8,121 1,879 10, and a substituting the substituting of the substitution of the substituting of the substitution of the substituting of the substitution of the substituting of the substitution of the substituting of the substitution of the substituting of the substitutin		Access Control System (ACS)							
Commercial Refrigeration		Kitchen flooring							
Commercial Range 750 ADA ramp 5,280 MISC. Allowance for Steeple Cross 10,000 3,276 3,276 4,844 8,121 1,879 10, Allowance for Church Pew Restoratior 75,000 Guest house, asphalt shingle 3,766 Guest house, gutters and downspouts 720	55	Commercial Refrigeration	1,800						
ADA ramp 5,280 MISC. Allowance for Steeple Cross 10,000 3,276 3,276 4,844 8,121 1,879 10, Allowance for Church Pew Restoratior 75,000 Guest house, asphalt shingle 3,766 Guest house, gutters and downspouts 720									
Allowance for Steeple Cross 10,000 3,276 3,276 4,844 8,121 1,879 10, Allowance for Church Pew Restoratior 75,000 Guest house, asphalt shingle 3,766 Guest house, gutters and downspouts 720		ADA ramp							
Allowance for Church Pew Restoratior 75,000 Guest house, asphalt shingle 3,766 Guest house, gutters and downspouts 720		MISC.							
Guest house, asphalt shingle 3,766 Guest house, gutters and downspouts 720	59	Allowance for Steeple Cross	10,000	3,276	3,276	4,844	8,121	1,879	10,0
Guest house, gutters and downspouts 720		Allowance for Church Pew Restoration							
		Guest house, siding							



COMPONENT METHOD

\$616,120 COMPONENT METHOD RECOMMENDED ANNUAL FUNDING OF REPLACEMENT RESERVES IN THE STUDY YEAR, 2015.

General. The Component Method (also referred to as the Full Funded Method) is a very conservative mathematical model developed by HUD in the early 1980s. Each of the 363 Projected Replacements listed in the Replacement Reserve Inventory is treated as a separate account. The Beginning Balance is allocated to each of the individual accounts, as is all subsequent funding of Replacement Reserves. These funds are "locked" in these individual accounts and are not available to fund other Projected Replacements. The calculation of Recommended Annual Funding of Replacement Reserves is a multi-step process outlined in more detail on Page CM2.





COMPONENT METHOD (cont'd)

- Current Funding Objective. A Current Funding Objective is calculated for each of the Projected Replacements listed in the Replacement Reserve Inventory. Replacement Cost is divided by the Normal Economic Life to determine the nominal annual contribution. The Remaining Economic Life is then subtracted from the Normal Economic Life to calculate the number of years that the nominal annual contribution should have been made. The two values are then multiplied to determine the Current Funding Objective. This is repeated for each of the 363 Projected Replacements. The total, \$2,612,294, is the Current Funding Objective.
 - For an example, consider a very simple Replacement Reserve Inventory with one Projected Replacement, a fence with a \$1,000 Replacement Cost, a Normal Economic Life of 10 years, and a Remaining Economic Life of 2 years. A contribution to Replacement Reserves of \$100 (\$1,000 + 10 years) should have been made in each of the previous 8 years (10 years 2 years). The result is a Current Funding Objective of \$800 (8 years x \$100 per year).
- Funding Percentage. The Funding Percentage is calculated by dividing the Beginning Balance (\$250,000) by the Current Funding Objective (\$2,612,294). At St John's Church and School the Funding Percentage is 9.6%
- Allocation of the Beginning Balance. The Beginning Balance is divided among the 363 Projected Replacements in the Replacement Reserve Inventory. The Current Funding Objective for each Projected Replacement is multiplied by the Funding Percentage and these funds are then "locked" into the account of each item.
 - If we relate this calculation back to our fence example, it means that the Church has not accumulated \$800 in Reserves (the Funding Objective), but rather at 9.6 percent funded, there is \$77 in the account for the fence.
- Annual Funding. The Recommended Annual Funding of Replacement Reserves is then calculated for each Projected Replacement. The funds allocated to the account of the Projected Replacement are subtracted from the Replacement Cost. The result is then divided by the number of years until replacement, and the result is the annual funding for each of the Projected Replacements. The sum of these is \$616,120, the Component Method Recommended Annual Funding of Replacement Reserves in the Study Year (2015).
 - In our fence example, the \$77 in the account is subtracted from the \$1,000 Total Replacement Cost and divided by the 2 years that remain before replacement, resulting in an annual deposit of \$462. Next year, the deposit remains \$462, but in the third year, the fence is replaced and the annual funding adjusts to \$100.
- Adjustment to the Component Method for interest and inflation. The calculations in the Replacement Reserve
 Analysis do not account for interest earned on Replacement Reserves, inflation, or a constant annual increase
 in Annual Funding of Replacement Reserves. The Component Method is a very conservative method and
 if the Analysis is updated regularly, adequate funding will be maintained without the need for adjustments.

Component Me	thod Data	a - Years	1 throug	gh 30						
Year Beginning balance	2015 \$250,000	2016	2017	2018	2019	2020	2021	2022	2023	202
Recommended annual funding	\$616,120	\$521,249	\$521,249	\$502,385	\$484,236	\$484,236	\$412,819	\$391,595	\$375,936	\$362,18
Expenditures	\$107,901		\$95,197	\$165,050		\$753,435	\$324,484	\$295,109	\$265,763	\$43,7
Year end balance	\$758,219	\$1,279,468	\$1,705,521	\$2,042,856	\$2,527,092	\$2,257,892	\$2,346,227	\$2,442,713	\$2,552,886	\$2,871,3
Cumulative Expenditures	\$107,901	\$107,901	\$203,098	\$368,148	\$368,148	\$1,121,583	\$1,446,067	\$1,741,176	\$2,006,939	\$2,050,6
Cumulative Receipts	\$866,120	\$1,387,369	\$1,908,619	\$2,411,003	\$2,895,239	\$3,379,475	\$3,792,294	\$4,183,889	\$4,559,825	\$4,922,0
Year	2025	2026	2027	2028	2029	2030	2031	2032	2033	20
Recommended annual funding Interest on reserves	\$362,181	\$273,425	\$272,693	\$268,819	\$268,819	\$264,389	\$262,052	\$262,052	\$262,052	\$261,7
Expenditures	\$1,954,322	\$98,863	\$238,084		\$241,002	\$310,619	\$1,000	\$96,063	\$123,544	\$64,0
Year end balance	\$1,279,175	\$1,453,737	\$1,488,346	\$1,757,165	\$1,784,982	\$1,738,752	\$1,999,804	\$2,165,793	\$2,304,301	\$2,502,0
Cumulative Expenditures	\$4,005,011	\$4,103,874	\$4,341,958	\$4,341,958	\$4,582,960	\$4,893,579	\$4,894,579	\$4,990,641	\$5,114,186	\$5,178,
Cumulative Receipts	\$5,284,186	\$5,557,611	\$5,830,304	\$6,099,123	\$6,367,942	\$6,632,331	\$6,894,383	\$7,156,434	\$7,418,486	\$7,680,2
Year	2035	2036	2037	2038	2039	2040	2041	2042	2043	20
Recommended annual funding Interest on reserves	\$261,732	\$260,426	\$260,426	\$260,426	\$260,426	\$260,403	\$260,397	\$260,397	\$260,397	\$260,
Expenditures	\$649,730	\$68,859	\$83,690	\$142,063	\$151,084	\$576,294	\$255,363	\$388,694	\$443,639	\$120,
Year end balance	\$2,114,015	\$2,305,582	\$2,482,318	\$2,600,682	\$2,710,024	\$2,394,133	\$2,399,168	\$2,270,871	\$2,087,629	\$2,227,
Cumulative Expenditures	\$5,827,934	\$5,896,793	\$5,980,483	\$6,122,546	\$6,273,630	\$6,849,924	\$7,105,287	\$7,493,981	\$7,937,619	\$8,057,
Cumulative Receipts	\$7,941,949	\$8,202,376	\$8,462,802	\$8,723,228	\$8,983,654	\$9,244,057	\$9,504,454	\$9,764,851	\$10,025,249	\$10,285,



COMPONENT METHOD ACCOUNTING SUMMARY

This St John's Church and School - Component Method Accounting Summary is an attachment to the St John's Church and School - Replacement Reserve Study dated August 5, 2015 and is for use by accounting and reserve professionals experienced in Church funding and accounting principles. This Summary consists of four reports, the 2015, 2016, and 2017 Component Method Category Funding Reports (3) and a Three-Year Replacement Funding Report.

- COMPONENT METHOD CATEGORY FUNDING REPORT, 2015, 2016, and 2017. Each of the 363 Projected Replacements listed in the St John's Church and School Replacement Reserve Inventory has been assigned to one of 28 categories. The following information is summarized by category in each report:
 - O Normal Economic Life and Remaining Economic Life of the Projected Replacements.
 - Cost of all Scheduled Replacements in each category.
 - Replacement Reserves on Deposit allocated to the category at the beginning and end
 of the report period.
 - Cost of Projected Replacements in the report period.
 - Recommended Replacement Reserve Funding allocated to the category during the report period as calculated by the Component Method.
- THREE-YEAR REPLACEMENT FUNDING REPORT. This report details the allocation of the \$250,000 Beginning Balance (at the start of the Study Year) and the \$1,658,619 of additional Replacement Reserve funding from 2015 to 2017 (as calculated in the Replacement Reserve Analysis) to each of the 363 Projected Replacements listed in the Replacement Reserve Inventory. These allocations have been made using the Component Method as outlined in the Replacement Reserve Analysis. The calculated data includes:
 - Identification and estimated cost of each Projected Replacement schedule in years 2015 through 2017.
 - Allocation of the \$250,000 Beginning Balance to the Projected Replacements by the Component Method.
 - Allocation of the \$1,658,619 of additional Replacement Reserve Funding recommended in the Replacement Reserve Analysis in years 2015 through 2017, by the Component Method.



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2015 - COMPONENT METHOD CATEGORY FUNDING REPORT

Each of the 363 Projected Replacements included in the St John's Church and School Replacement Reserve Inventory has been assigned to one of the 28 categories listed in TABLE CM1 below. This calculated data is a summary of data provided in the Three-Year Replacement Funding Report and Replacement Reserve Inventory. The accuracy of this data is dependent upon many factors including the following critical financial data:

- A Beginning Balance of \$250,000 as of the first day of the Study Year, January 1, 2015.
- O Total reserve funding (including the Beginning Balance) of \$866,120 in the Study Year.
- O No expenditures from Replacement Reserves other than those specifically listed in the Replacement Reserve Inventory.
- All Projected Replacements scheduled in the Replacement Reserve Inventory in 2015 being accomplished in 2015 at a cost of \$107,901.

If any of these critical factors are inaccurate, do not use the data and please contact Miller Dodson Associates to arrange for an update of the Replacement Reserve Study.

	2015 -	COMPONE	ENT METHO	D CATEG	ORY FUI	NDING - TA	BLE CM
	NORMAL	REMAINING	ESTIMATED	2015	2015	2015	20
CATEGORY	ECONOMIC LIFE	ECONOMIC LIFE	REPLACEMENT COST	BEGINNING BALANCE	RESERVE FUNDING	PROJECTED REPLACEMENTS	END OF YEA BALANG
SITE COMPONENTS	6 to 60 years	0 to 54 years	\$294,464	\$11,963	\$28,220	\$5,915	\$34,26
SITE COMPONENTS (CONT.)	10 to 54 years	0 to 53 years	\$311,793	\$16,585	\$88,015	\$83,000	\$21,60
SITE COMPONENTS (CONT.)	3 to 30 years	0 to 20 years	\$75,173	\$2,128	\$10,233	\$500	\$11,86
SANCTUARY	5 to 100 years	5 to 38 years	\$443,808	\$29,366	\$32,903	4	\$62,26
SANCTUARY (CONT.)	3 to 25 years	2 to 15 years	\$82,704	\$3,175	\$16,762		\$19,93
SANCTUARY (CONT.)	14 to 30 years	3 to 20 years	\$140,700	\$10,006	\$29,366		\$39,37
SANCTUARY (CONT.)	10 to 15 years	5 to 10 years	\$24,777	\$1,026	\$3,748		\$4,7
CONVENT	5 to 35 years	0 to 15 years	\$111,925	\$7,313	\$27,052	\$18,486	\$15,8
CONVENT (CONT.)	10 to 25 years	5 to 20 years	\$214,470	\$2,591	\$14,267	, ,,	\$16,8
CONVENT (CONT.)	10 to 24 years	5 to 11 years	\$85,900	\$4,470	\$12,020		\$16,4
CONVENT (CONT.)	20 years	10 years	\$18,900	\$814	\$1,644		\$2,4
CHOOL	5 to 60 years	5 to 40 years	\$494,551	\$34,667	\$43,938		\$78,6
SCHOOL (CONT.)	7 to 25 years	5 to 15 years	\$1,053,804	\$61,184	\$131,236		\$192,4
SCHOOL (CONT.)	10 to 24 years	5 to 24 years	\$156,300	\$2,848	\$11,153		\$14,0
SCHOOL (CONT.)	10 to 30 years	5 to 15 years	\$92,604	\$3,232	\$8,212		\$11,4
SCHOOL (CONT.)	24 years	5 to 12 years	\$115,400	\$6,915	\$13,876		\$20,7
HELLER HALL	3 to 35 years	2 to 20 years	\$169,193	\$9,776	\$30,554		\$40,3
HELLER HALL (CONT.)	10 to 25 years	5 to 23 years	\$208,502	\$2,564	\$15,997		\$18,5
HELLER HALL (CONT.)	10 to 30 years	10 to 15 years	\$84,671	\$1,246	\$6,223		\$7,4
SYMNASIUM	5 to 50 years	5 to 35 years	\$153,554	\$6,389	\$12,546		\$18,9
SYMNASIUM (CONT.)	3 to 25 years	3 to 10 years	\$153,904	\$6,135	\$18,288		\$24,4
GYMNASIUM (CONT.)	10 to 25 years	5 to 14 years	\$165,704	\$8,145	\$18,076		\$26,2
GYMNASIUM (CONT.)	15 to 20 years	15 to 20 years	\$94,718	\$16	\$4,823		\$4,8
RECTORY	3 to 35 years	3 to 20 years	\$125,644	\$3,857	\$10,341		\$14,1
RECTORY (CONT.)	14 to 24 years	10 to 15 years	\$100,454	\$3,094	\$7,304		\$10,3
HOUSE OF MINISTRIES	3 to 25 years	3 to 23 years	\$100,821	\$2,531	\$8,611		\$11,1
HOUSE OF MINISTRIES (CONT.)	15 to 20 years	10 to 14 years	\$23,034	\$566	\$1,721		\$2,2
MISC.	20 to 60 years	5 to 20 years	\$100,430	\$7,398	\$8,989		\$16,3



2016 - COMPONENT METHOD CATEGORY FUNDING REPORT

Each of the 363 Projected Replacements included in the St John's Church and School Replacement Reserve Inventory has been assigned to one of the 28 categories listed in TABLE CM2 below. This calculated data is a summary of data provided in the Three-Year Replacement Funding Report and Replacement Reserve Inventory. The accuracy of this data is dependent upon many factors including the following critical financial data:

- Replacement Reserves on Deposit totaling \$758,219 on January 1, 2016.
- O Total reserve funding (including the Beginning Balance) of \$1,387,369 from 2015 through 2016.
- O No expenditures from Replacement Reserves other than those specifically listed in the Replacement Reserve Inventory.

If any of these critical factors are inaccurate, do not use the data and please contact Miller Dodson Associates to arrange for an update of the Replacement Reserve Study.

	2016 -	COMPON	ENT METHO	DD CATEG	ORY FUI	NDING - TA	BLE CM2
	NORMAL	REMAINING	ESTIMATED	2016 BEGINNING	2016	2016	2016
CATEGORY	ECONOMIC LIFE	ECONOMIC LIFE	REPLACEMENT COST	BALANCE	RESERVE FUNDING	PROJECTED REPLACEMENTS	END OF YEAR BALANCE
SITE COMPONENTS	6 to 60 years	5 to 59 years	\$294,464	\$34,267	\$22,969		\$57,237
SITE COMPONENTS (CONT.)	10 to 54 years	1 to 53 years	\$311,793	\$21,600	\$14,620		\$36,220
SITE COMPONENTS (CONT.)	3 to 30 years	1 to 24 years	\$75,173	\$11,861	\$9,801		\$21,662
SANCTUARY	5 to 100 years	4 to 37 years	\$443,808	\$62,269	\$32,903		\$95,172
SANCTUARY (CONT.)	3 to 25 years	1 to 14 years	\$82,704	\$19,938	\$16,762		\$36,700
SANCTUARY (CONT.)	14 to 30 years	2 to 19 years	\$140,700	\$39,372	\$29,366		\$68,738
SANCTUARY (CONT.)	10 to 15 years	4 to 9 years	\$24,777	\$4,774	\$3,748		\$8,522
CONVENT	5 to 35 years	4 to 19 years	\$111,925	\$15,879	\$11,260		\$27,138
CONVENT (CONT.)	10 to 25 years	4 to 19 years	\$214,470	\$16,858	\$14,267		\$31,125
CONVENT (CONT.)	10 to 24 years	4 to 10 years	\$85,900	\$16,490	\$12,020		\$28,511
CONVENT (CONT.)	20 years	9 years	\$18,900	\$2,458	\$1,644		\$4,102
SCHOOL	5 to 60 years	4 to 39 years	\$494,551	\$78,605	\$43,938		\$122,543
SCHOOL (CONT.)	7 to 25 years	4 to 14 years	\$1,053,804	\$192,420	\$131,236		\$323,656
SCHOOL (CONT.)	10 to 24 years	4 to 23 years	\$156,300	\$14,001	\$11,153		\$25,154
SCHOOL (CONT.)	10 to 30 years	4 to 14 years	\$92,604	\$11,445	\$8,212		\$19,657
SCHOOL (CONT.)	24 years	4 to 11 years	\$115,400	\$20,791	\$13,876		\$34,668
HELLER HALL	3 to 35 years	1 to 19 years	\$169,193	\$40,330	\$30,554		\$70,884
HELLER HALL (CONT.)	10 to 25 years	4 to 22 years	\$208,502	\$18,561	\$15,997		\$34,558
HELLER HALL (CONT.)	10 to 30 years	9 to 14 years	\$84,671	\$7,469	\$6,223		\$13,691
GYMNASIUM	5 to 50 years	4 to 34 years	\$153,554	\$18,935	\$12,546		\$31,481
GYMNASIUM (CONT.)	3 to 25 years	2 to 9 years	\$153,904	\$24,423	\$18,288		\$42,712
GYMNASIUM (CONT.)	10 to 25 years	4 to 13 years	\$165,704	\$26,221	\$18,076		\$44,297
GYMNASIUM (CONT.)	15 to 20 years	14 to 19 years	\$94,718	\$4,839	\$4,823		\$9,662
RECTORY	3 to 35 years	2 to 19 years	\$125,644	\$14,197	\$10,341		\$24,538
RECTORY (CONT.)	14 to 24 years	9 to 14 years	\$100,454	\$10,398	\$7,304		\$17,703
HOUSE OF MINISTRIES	3 to 25 years	2 to 22 years	\$100,821	\$11,142	\$8,611		\$19,753
HOUSE OF MINISTRIES (CONT.)	15 to 20 years	9 to 13 years	\$23,034	\$2,287	\$1,721		\$4,009
MISC.	20 to 60 years	4 to 19 years	\$100,430	\$16,387	\$8,989		\$25,377



2017 - COMPONENT METHOD CATEGORY FUNDING REPORT

Each of the 363 Projected Replacements included in the St John's Church and School Replacement Reserve Inventory has been assigned to one of the 28 categories listed in TABLE CM3 below. This calculated data is a summary of data provided in the Three-Year Replacement Funding Report and Replacement Reserve Inventory. The accuracy of this data is dependent upon many factors including the following critical financial data:

- O Replacement Reserves on Deposit totaling \$1,279,468 on January 1, 2017.
- O Total Replacement Reserve funding (including the Beginning Balance) of \$1,908,619 from 2015 to 2017.
- No expenditures from Replacement Reserves other than those specifically listed in the Replacement Reserve Inventory.
- All Projected Replacements scheduled in the Replacement Reserve Inventory in 2017 being accomplished in 2017 at a cost of \$95,197.

If any of these critical factors are inaccurate, do not use the data and please contact Miller Dodson Associates to arrange for an update of the Replacement Reserve Study.

	2017 -	COMPONE	ENT METHO	D CATEG	ORY FUI	NDING - TA	BLE CN
	NORMAL	REMAINING	ESTIMATED	2017	2017	2017	2
ATEGORY	ECONOMIC LIFE	ECONOMIC LIFE	REPLACEMENT COST	BEGINNING BALANCE	RESERVE FUNDING	PROJECTED REPLACEMENTS	END OF YE BALAN
SITE COMPONENTS	6 to 60 years	4 to 58 years	\$294,464	\$57,237	\$22,969		\$80,2
SITE COMPONENTS (CONT.)	10 to 54 years	0 to 52 years	\$311,793	\$36,220	\$14,620	\$2,700	\$48,
ITE COMPONENTS (CONT.)	3 to 30 years	0 to 23 years	\$75,173	\$21,662	\$9,801	\$4,463	\$27,0
ANCTUARY	5 to 100 years	3 to 36 years	\$443,808	\$95,172	\$32,903		\$128,
ANCTUARY (CONT.)	3 to 25 years	0 to 13 years	\$82,704	\$36,700	\$16,762	\$28,000	\$25,
ANCTUARY (CONT.)	14 to 30 years	1 to 18 years	\$140,700	\$68,738	\$29,366		\$98,
ANCTUARY (CONT.)	10 to 15 years	3 to 8 years	\$24,777	\$8,522	\$3,748		\$12,
ONVENT	5 to 35 years	3 to 18 years	\$111,925	\$27,138	\$11,260		\$38,
ONVENT (CONT.)	10 to 25 years	3 to 18 years	\$214,470	\$31,125	\$14,267		\$45,
ONVENT (CONT.)	10 to 24 years	3 to 9 years	\$85,900	\$28,511	\$12,020		\$40,
ONVENT (CONT.)	20 years	8 years	\$18,900	\$4,102	\$1,644		\$5,
CHOOL	5 to 60 years	3 to 38 years	\$494,551	\$122,543	\$43,938		\$166,
CHOOL (CONT.)	7 to 25 years	3 to 13 years	\$1,053,804	\$323,656	\$131,236		\$454,
CHOOL (CONT.)	10 to 24 years	3 to 22 years	\$156,300	\$25,154	\$11,153		\$36,
CHOOL (CONT.)	10 to 30 years	3 to 13 years	\$92,604	\$19,657	\$8,212		\$27,
CHOOL (CONT.)	24 years	3 to 10 years	\$115,400	\$34,668	\$13,876		\$48,
ELLER HALL	3 to 35 years	0 to 18 years	\$169,193	\$70,884	\$30,554	\$60,034	\$41,
ELLER HALL (CONT.)	10 to 25 years	3 to 21 years	\$208,502	\$34,558	\$15,997		\$50,
ELLER HALL (CONT.)	10 to 30 years	8 to 13 years	\$84,671	\$13,691	\$6,223		\$19,
YMNASIUM	5 to 50 years	3 to 33 years	\$153,554	\$31,481	\$12,546		\$44,
YMNASIUM (CONT.)	3 to 25 years	1 to 8 years	\$153,904	\$42,712	\$18,288		\$61,
YMNASIUM (CONT.)	10 to 25 years	3 to 12 years	\$165,704	\$44,297	\$18,076		\$62,
YMNASIUM (CONT.)	15 to 20 years	13 to 18 years	\$94,718	\$9,662	\$4,823		\$14,
ECTORY	3 to 35 years	1 to 18 years	\$125,644	\$24,538	\$10,341		\$34,
ECTORY (CONT.)	14 to 24 years	8 to 13 years	\$100,454	\$17,703	\$7,304		\$25,
IOUSE OF MINISTRIES	3 to 25 years	1 to 21 years	\$100,821	\$19,753	\$8,611		\$28,
IOUSE OF MINISTRIES (CONT.)	15 to 20 years	8 to 12 years	\$23,034	\$4,009	\$1,721		\$5,7
MISC.	20 to 60 years	3 to 18 years	\$100,430	\$25,377	\$8,989		\$34,3



COMPONENT METHOD - THREE-YEAR REPLACEMENT FUNDING REPORT

TABLE CM4 below details the allocation of the \$250,000 Beginning Balance, as reported by the Association and the \$1,658,619 of Replacement Reserve Funding calculated by the Cash Flow Method from 2015 to 2017, to the 363 Projected Replacements listed in the Replacement Reserve Inventory. These allocations have been made by Chronological Allocation, a method developed by Miller Dodson Associates, Inc., and outlined on Page CF1. The accuracy of the allocations is dependent upon many factors including the following critical financial data:

- Replacement Reserves on Deposit totaling \$250,000 on January 1, 2015.
- Replacement Reserves on Deposit totaling \$758,219 on January 1, 2016.
- Replacement Reserves on Deposit totaling \$1,279,468 on January 1, 2017.
- Total Replacement Reserve funding (including the Beginning Balance) of \$1,908,619 from 2015 to 2017.
- No expenditures from Replacement Reserves other than those specifically listed in the Replacement Reserve Inventory.
- All Projected Replacements scheduled in the Replacement Reserve Inventory from 2015 to 2017 being accomplished as scheduled in the Replacement Reserve Inventory at a cost of \$203,098.

If any of these critical factors are inaccurate, do not use the data and please contact Miller Dodson Associates, Inc., to arrange for an update of the Replacement Reserve Study.

		MPONE										
. .	Description of	Estimated	Allocation	2015	2015	2015	2016	2016	2016	2017	2017	2017
Item #	Projected Replacement	Replacement Costs	of Beginning Balance	Reserve	Projected Replacements	End of Year Balance	Reserve	Projected Replacements	End of Year Balance	Reserve	Projected Replacements	End of Year Balance
#	SITE COMPONENTS	Costs	Baiance	runung	Kepiacements	Datatice	runding	Replacements	Balance	runding	Replacements	Datatice
	SHE COMPONENTS											
1	Pavement, mill and overlay	166,203	6,186	14,547		20,733	14,547		35,280	14,547		49,827
2	Pavement, rejuvenator seal coat	20,119	0,100	2,874		2,874	2,874		5,748	2,874		8,623
3	Parking bumpers	1,500	56	131		187	131		318	131		450
4	Concrete curb and gutter (20% allowar		719	793		1,512	793		2,305	793		3,097
5	Concrete curb and gutter (20% allowar		418	311		729	311		1,040	311		1,351
6	Concrete curb and gutter (20% allowar	9,439	117	198		315	198		514	198		712
7	Concrete curb	18,585	1,416	1,561		2,977	1,561		4,538	1,561		6,099
8	Asphalt curb	588	22	51		73	51		125	51		176
9	Concrete flatwork (6%)	5,915	566	5,349	(5,915)		99		99	99		197
10	Concrete flatwork (6%)	5,915	500	774		1,274	774		2,047	774		2,821
11	Concrete flatwork (6%)	5,915	443	421		864	421		1,285	421		1,706
12	Concrete flatwork (6%)	5,915	387	291		678	291		969	291		1,260
13	Concrete flatwork (6%)	5,915	330	223		554	223		777	223		1,000
14	Concrete flatwork (6%)	5,915	274	182		456	182		638	182		820
15	Concrete flatwork (6%)	5,915	217	154		371	154		525	154		679
16	Concrete flatwork (6%)	5,915	160	134		294	134		428	134		562
17	Concrete flatwork (6%)	5,915	104	119		222	119		341	119		460
18	Concrete flatwork (6%)	5,915	47	107		154	107		261	107		367
	SITE COMPONENTS (CONT.)											
19	Concrete site stairs (full set)	1,200	15	46		61	46		106	46		152
20	Lamp post	9,000	402	537		939	537		1,477	537		2,014
21	Lamp post head	2,700	207	831		1,038	831		1,869	831	(2,700)	
22	Brick retaining wall (25% re-set and re		38	158		196	158		355	158		513
23	Concrete retaining wall, replacement (7,656	72,344	(80,000)		1,481		1,481	1,481		2,963
24	Concrete stairs (full set)	1,800	172	1,628	(1,800)		60		60	60		120
25	Concrete retaining wall, replacement (1,111		1,111	1,111		2,222	1,111		3,333
26	Concrete stairs (full set)	3,600		116		116	116		232	116		348
27	Stone retaining, 10% re-set	1,200	115	1,085	(1,200)		120		120	120		240
28	Stone retaining, replacement	78,000	5,944	6,551		12,495	6,551		19,045	6,551		25,596
29	Wood privacy fence w/ gate	4,000		364		364	364		727	364		1,091
30	8' Metal fencing, replacement	66,400	1,906	3,071		4,977	3,071		8,049	3,071		11,120
31	8' Metal fencing (10% allowance)	2,905	130	173		303	173		477	173		650
	SITE COMPONENTS (CONT.)											
32	Metal railing (20% allowance)	500	48	452	(500)		20		20	20		40
33	Metal railing (20% allowance)	500	36	77		114	77		191	77		268
34	Metal railing (20% allowance)	500	27	43		70	43		113	43		156
35	Metal railing (20% allowance)	500	17	30		47	30		78	30		108
36	Metal railing (20% allowance)	500	8	23		31	23		55	23		78
37	Wood sign	1,600		145		145	145		291	145		436
38	Storm Water Management (allowance	9,000	402	537		939	537		1,477	537		2,014
39	Foundation plantings (allowance)	2,000		500		500	500		1,000	500		1,500



	COMPONE	NT ME	THOD -	THREE	-YEAR	REPLA	CEME	NT FUI	NDING -	TABL	E CM4	cont'c
	Description of	Estimated	Allocation	2015	2015	2015	2016	2016	2016	2017	2017	201
m	Projected	Replacement	of Beginning	Reserve	Projected	End of Year	Reserve	Projected	End of Year	Reserve	Projected	End of Yea
ŀ	Replacement	Costs	Balance	Funding R	eplacements	Balance	_	Replacements	Balance	_	Replacements	Balanc
0	Tot lot, mulch	4,463		1,488		1,488	1,488		2,975	1,488	(4,463)	
1	Tot lot, playset	18,000	689	2,885		3,574	2,885		6,459	2,885		9,34
2	Tot lot, jungle gym	4,800	184	769		953	769		1,722	769		2,49
3	Tot lot, swing	2,400	92	385		477	385		861	385		1,24
4	Tot lot, PTL border	2,610	100	418		518	418		937	418		1,35
5	Tot lot, fence	9,800	525	843		1,368	843		2,212	843		3,05
6	Genie lift	18,000		1,636		1,636	1,636		3,273	1,636		4,90
	SANCTUARY											
17	Slate shingle roofing Built-up roofing	250,800 14,300	19,602 616	21,018 1,244		40,620 1,860	21,018 1,244		61,638 3,104	21,018 1,244		82,65 4,34
18 19			747	1,052		1,799	1,052		2,851	1,052		3,90
50	8" roof scuppers and downspouts Stone exterior repoint (10% allowance	12,320 27,168	1,456	2,337		3,793	2,337		6,131	2,337		8,46
51	* '	4,500	1,430	2,337 750		3,793 750	750		1,500	750		2,25
	Caulking (allowance)			909						909		
2	Exterior door (allowance)	10,000	205			909	909		1,818			2,72
3	Windows (3' x 4')	4,860	385	746		1,131	746		1,877	746		2,62
4	Windows (3' x 6')	2,160	171	331		503	331		834	331		1,16
55	Windows (3' x 6')	5,000	396	767		1,164	767		1,931	767		2,69
6	Stained glass restoration (allowance)	100,000	5,838	2,414		8,252	2,414		10,667	2,414		13,08
7	Stained glass ventilators (allowance)	10,000		909		909	909		1,818	909		2,72
8	Exterior building lights	2,700	155	424		579	424		1,003	424		1,42
	SANCTUARY (CONT.)											
9	Interior painting (allowance)	10,000		2,500		2,500	2,500		5,000	2,500		7,50
0	Organ, restoration (allowance)	28,000	1,072	8,976		10,048	8,976		19,024	8,976	(28,000)	
1	Pendant fixture, refurbish	10,800	579	929		1,508	929		2,437	929		3,36
2	Private restroom, renovation	5,204	279	448		727	448		1,174	448		1,62
3	Interior door (allowance)	10,000	383	1,603		1,986	1,603		3,589	1,603		5,19
4	Exit sign	1,000	54	86		140	86		226	86		31
5	Fire Alarm Control Panel	10,200	683	1,586		2,269	1,586		3,856	1,586		5,44
6	Fire Alarm Booster Panel	1,500	100	233		334	233		567	233		80
7	Water heater	1,000	26	89		114	89		203	89		29
8	Electrical (allowance)	5,000	20	313		313	313		625	313		93
	SANCTUARY (CONT.)											
59	Exhaust fan (15,000 cfm)	3,000	129	261		390	261		651	261		91
70	Fan/coil unit (120,000 btu)	20,800	1,422	4,845		6,266	4,845		11,111	4,845		15,95
1	Condensing Unit (25 ton)	20,800	1,659	4,785		6,444	4,785		11,229	4,785		16,01
2	Fan/coil unit (45,000 btu)	13,000	1,037	2,991		4,028	2,991		7,018	2,991		10,00
3	Condensing Unit (15 ton)	20,800	1,659	4,785		6,444	4,785		11,229	4,785		16,01
4	Fan/coil unit (45,000 btu)	13,000	1,037	2,991		4,028	2,991		7,018	2,991		10,00
5	Compressor (2 ton)	6,400	77	301		378	301		679	301		98
6	Fan/coil unit (45,000 btu)	6,500	444	1,514		1,958	1,514		3,472	1,514		4,98
7	Compressor (3 ton)	6,400	437	1,491		1,928	1,491		3,419	1,491		4,90
8	Boiler, (1,700 MBH)	20,000	1,531	4,617		6,148	4,617		10,766	4,617		15,38
9	AHU (cfm)	10,000	574	785		1,360	785		2,145	785		2,93
		.,				,			, -			, .
0	SANCTUARY (CONT.)	2	=-	a		22-						
0	CCTV system	2,850	73	252		325	252		578	252		83
1	A/V Design/Integration	2,500	96	401		496	401		897	401		1,29
2	Wireless receiver	450	17	72		89	72		161	72		23
3	Lapel microphone	600	23	96		119	96		215	96		31
4	4 CH. mixer	199	8	32		40	32		71	32		10
5	400 W power amp	300	11	48		60	48		108	48		15
6	CD/MP3	350	13	56		69	56		126	56		18
7	Power control	250	10	40		50	40		90	40		13
8	Hearing aid system	1,549	59	248		308	248		556	248		80
9	Cabling	3,000	115	481		596	481		1,077	481		1,55
0	Wall mount speaker	4,000	153	641		794	641		1,435	641		2,07
1	Loudspeaker	1,600	61	256		318	256		574	256		83
2	Ceiling speaker	1,200	46	192		238	192		431	192		62
3	DVR	4,500	258	707		965	707		1,672	707		2,37
4	Hard drive	400	23	63		86	63		149	63		2
5	Hearing aid adapter	1,029	59	162		221	162		382	162		54
	CONVENT											
6	Built-up roof	11,184	856	1,721	(10.400	2,578	1,721		4,299	1,721		6,0
7	Membrane roof w/ insulation	18,486	1,769	16,717	(18,486)		924		924	924		1,8
8	8" roof scuppers and downspouts	9,520	425	568		994	568		1,562	568		2,1
19	Roof hatch	1,680	133	258		391	258		649	258		9
00	Brick veneer repoint (10% allowance)	8,595	625	1,328		1,953	1,328		3,282	1,328		4,6



August 5, 2015 11545502ST JOHN'15

											115455028	ST JOHN 15
	COMPONE	NT ME	THOD -	THREE	-YEAR	REPLA	CEME	NT FUI	NDING -	TABL	E CM4	cont'd
. .	Description of	Estimated	Allocation	2015	2015	2015	2016	2016	2016	2017	2017	2017
Item #	Projected Replacement	Replacement Costs	of Beginning Balance	Reserve Funding 1	Projected Replacements	End of Year Balance	Reserve Funding	Projected Replacements	End of Year Balance	Reserve Funding	Projected Replacements	End of Year Balance
101	Caulking (allowance)	4,500		750	-	750	750	P	1,500	750	-	2,250
102	Exterior door (allowance)	10,000	383	1,603		1,986	1,603		3,589	1,603		5,191
103	Exterior building lights	400		67		67	67		133	67		200
104	Windows (4' x 6')	39,960	2,622	3,394		6,017	3,394		9,411	3,394		12,805
105	Windows (18" x 3')	400	26	34		60	34		94	34		128
106	Windows (24"X48") stained glass cove	7,200	472	612		1,084	612		1,696	612		2,307
	CONVENT (CONT.)											
107	Renovation (phase 1)	46,740	224	2,448		2,672	2,448		5,120	2,448		7,568
108	Renovation (phase 2)	46,740		2,337		2,337	2,337		4,674	2,337		7,011
109	Renovation (phase 3)	46,740		2,226		2,226	2,226		4,451	2,226		6,677
110	Piano, restoration (upright)	5,000		455		455	455		909	455		1,364
111	Small restroom w/shower, renovation	36,000	1,550	3,132		4,682	3,132		7,814	3,132		10,946
112	Interior door (allowance)	10,000		909		909	909		1,818	909		2,727
113	Laundry room appliances	2,000		182		182	182		364	182		545
114	Chapel (ceiling spot lighting)	5,000		455		455	455		909	455		1,364
115 116	Chapel (sound system) Overhead doors	3,550 2,500	134	323 215		323 349	323 215		645 564	323 215		968 779
117	Fire Alarm System	10,200	683	1,586		2,269	1,586		3,856	1,586		5,442
	CONVENT (CONT.)											
118	Domestic water piping (allowance)	4,000		364		364	364		727	364		1,091
119	Water heater (boiler)	2,000	38	163		202	163		365	163		529
120	Boiler buddy	2,000	27	164		192	164		356	164		521
121	Electrical	5,000	128	443		571	443		1,013	443		1,456
122	Exhaust fan (15,000 cfm)	3,000	129	261		390	261		651	261		912
123	Self-contained unit	4,500	92	401		493	401		894	401		1,294
124	Fan/coil unit (45,000 btu)	6,500	467	1,006		1,472	1,006		2,478	1,006		3,483
125	Compressor (3 ton)	6,500	311	1,031		1,343	1,031		2,374	1,031		3,406
126	Fan/coil unit (45,000 btu)	6,500	467	1,006		1,472	1,006		2,478	1,006		3,483
127	Compressor (3 ton)	6,500	311	1,031		1,343	1,031		2,374	1,031		3,406
128	Fan/coil unit (45,000 btu)	6,500	467	1,006		1,472	1,006		2,478	1,006		3,483
129	Compressor (3 ton)	6,500	311	1,031		1,343	1,031		2,374	1,031		3,406
130	Fan/coil unit (30,000 btu)	3,200	230	495		725	495		1,220	495		1,715
131 132	Compressor (2 ton) Boiler, (1,000 MBH)	3,200 20,000	153 1,340	508 3,110		661 4,450	508 3,110		1,169 7,560	508 3,110		1,677 10,670
	CONVENT (CONT.)											
122		9,000	245	606		1.040	(0)		1.726	(0)(2 422
133	Countertop and Basin	8,000	345	696 104		1,040	696 104		1,736	696		2,432
134 135	Kitchen flooring Refrigeration	1,200 3,600	52 155	313		156 468	313		260 781	104 313		365 1,095
136	Wall cabinet	4,500	194	391		585	391		977	391		1,368
137	Dishwasher	800	34	70		104	70		174	70		243
138	Range/Oven	800	34	70		104	70		174	70		243
150	-		3.	,,		101	,,		17.	,,		2.0
	SCHOOL											
139	Slate shingle	328,730	25,692	27,549		53,241	27,549		80,790	27,549		108,339
140	Membrane roof	26,130	1,750	4,063		5,814	4,063		9,877	4,063		13,940
141	Gutters and downspouts (8")	1,056	71	164		235	164		399	164		563
142	8" roof scuppers and downspouts	11,200	500	669		1,169	669		1,838	669		2,506
143	Brick veneer repoint (10% allowance)	21,000	1,125	1,807		2,932	1,807		4,739	1,807		6,546
144	Caulking (allowance)	4,500		750		750	750		1,500	750		2,250
145	Exterior door (allowance)	10,000		909		909	909		1,818	909		2,727
146	Windows (2' v. 7')	5,000	4 400	833		833	833		1,667	833		2,500
147	Windows (3' x 7')	67,095	4,403	5,699		10,102	5,699		15,802	5,699		21,501
148 149	Glass block Windows (4' x 4')	3,600 15,840	62 1,039	86 1,346		148 2,385	86 1,346		235 3,730	86 1,346		321 5,076
150	Exterior building lights	400	1,039	63		2,385 86	1,346		3,730 149	63		211
	SCHOOL (CONT.)											
151	School/Classroom renovation (phase 1	237,500	15,910	36,932		52,842	36,932		89,774	36,932		126,705
152	School/Classroom renovation (phase 2	237,500	14,774	31,818		46,592	31,818		78,410	31,818		110,228
153	School/Classroom renovation (phase 3	237,500	13,637	27,983		41,620	27,983		69,603	27,983		97,586
154	School/Classroom renovation (phase 4	1	12,501	25,000		37,501	25,000		62,501	25,000		87,501
155	Blinds	10,000	431	870		1,301	870		2,171	870		3,040
156	Teacher kitchenette renovation	14,466	775	1,245		2,020	1,245		3,264	1,245		4,509
157	Private restroom, renovation	5,204	279	448		727	448		1,174	448		1,622
158	Standard restroom, renovation	20,000	1,072	1,721		2,793	1,721		4,513	1,721		6,234
159	Education restroom, renovation	20,700	713	1,249		1,962	1,249		3,212	1,249		4,461
	Music room flooring	2,992		374		374	374		748	374		1,122
160	Music room flooring	2,772		374		374	314		740	314		1,122



	COMPONE	NT MF	THOD -	THREE	-YEAR	REPI A	CEME	NT FUI	NDING -	TARI	E CM4 c	ont'
	Description of	Estimated	Allocation	2015	2015	2015	2016	2016	2016	2017	2017	20
em	Projected	Replacement	of Beginning	Reserve		End of Year	Reserve	Projected	End of Year	Reserve		End of Ye
#	Replacement	Costs	Balance		Replacements	Balance		Replacements	Balance		Replacements	Balar
2	Smoke detector	3,500	188	301		489	301		790	301		1,0
3	Fire strobe	250	13	22		35	22		56	22		
4	Fire alarm pull	1,250	67	108		175	108		282	108		3
55	Interior door (allowance)	10,000		909		909	909		1,818	909		2,7
6	Exit sign	750	40	65		105	65		169	65		2
57	Fire Alarm Control Annunciator Panel		683	1,586		2,269	1,586		3,856	1,586		5,4
58	Fire Alarm Booster Panel	1,500	100	233		334	233		567	233		8
	SCHOOL (CONT.)											
69	Domestic water piping (allowance)	4,000		364		364	364		727	364		1,0
70	Water heater	8,500	488	1,335		1,823	1,335		3,159	1,335		4,4
71	Electrical (allowance)	5,000	128	443		571	443		1,013	443		1,4
72	Exhaust fan (15,000 cfm)	3,000	129	261		390	261		651	261		ç
73	Fan/coil unit (75,000 btu)	10,400		416		416	416		832	416		1,2
74	Compressor (5 ton)	10,400		416		416	416		832	416		1,2
75	Fan/coil unit (30,000 btu)	3,200		128		128	128		256	128		3
76	Compressor (2 ton)	3,200		128		128	128		256	128		3
77	Fan/coil unit (20,000 btu)	6,400		256		256	256		512	256		7
78	Compressor (1.5 ton)	6,400		256		256	256		512	256		7
79	Fan/coil unit (60,000 btu)	20,800		832		832	832		1,664	832		2,4
	Carrier 50ss048											
80		13,000	96	1,000		1,000	1,000		2,000	1,000		3,0
81	Boiler Glycol system	2,000	86	174		260	174		434	174		
82	Boiler, (1,700 MBH)	40,000	1,723	3,480		5,202	3,480		8,682	3,480		12,
83	Water Heater	17,000	232 62	1,397		1,630	1,397		3,027 596	1,397		4,4
84	Pass-thru fan/coil unit	3,000	02	267		329	267		396	267		•
	SCHOOL (CONT.)											
85	Accessibility lift	20,000	1,148	3,142		4,290	3,142		7,432	3,142		10,
86	Sump pump	2,500		227		227	227		455	227		
87	Access Control System (ACS)	6,604	169	585		754	585		1,339	585		1,9
88	CCTV system	2,850	73	252		325	252		578	252		:
89	Dumpster pad	4,000	77	245		322	245		567	245		:
90	Cafeteria flooring	3,750	167	224		391	224		615	224		
91	Commercial refrigeration	7,000		438		438	438		875	438		1,
92	Cabinets and counter top	9,000	402	537		939	537		1,477	537		2,0
93	Exhaust hood	8,000	357	478		835	478		1,313	478		1,
94	Ice machine	3,500		219		219	219		438	219		
95	Kitchen flooring	2,400	107	143		250	143		394	143		
96	Range	10,000	191	613		804	613		1,417	613		2,0
97	Folding cafeteria table	12,000	517	1,044		1,561	1,044		2,605	1,044		3,0
98	Food Warmer Box	1,000	24	65		89	65		154	65		2,
	SCHOOL (CONT.)											
99	Fan/coil unit, (18,000 btu) classroom	49,000	2,149	3,604		5,753	3,604		9,357	3,604		12,9
00	Compressor (2.5 ton)	6,400	459	990		1,449	990		2,440	990		3,
01	Compressor (2.5 ton)	6,400	459	990		1,449	990		2,440	990		3,
02	Compressor (2.5 ton) Compressor (2.5 ton)	3,200	230	495		725	495		1,220	495		3,4 1,7
										990		
03	Compressor (2 ton)	6,400	459	990		1,449	990		2,440			3,4
04	Compressor (5 ton)	31,200	2,239	4,827		7,066	4,827		11,893	4,827		16,
05	Compressor (2 ton)	9,600	689	1,485		2,174	1,485		3,659	1,485		5,
06	Compressor (2 ton)	3,200	230	495		725	495		1,220	495		1,
	HELLER HALL											
07	Built-up roof	44,590	3,627	13,654		17,281	13,654		30,936	13,654	(44,590)	
80	8" Gutters and downspouts	3,600	293	1,102		1,395	1,102		2,498	1,102	(3,600)	
	Roof hatch	1,680	64	77		141	77		218	77		
09	D.:-1	7,344	618	2,242		2,860	2,242		5,102	2,242	(7,344)	
09 10	Brick veneer repoint (10% allowance)		172	1,443		1,615	1,443		3,057	1,443	(4,500)	
	Caulking (allowance)	4,500	1/2			909	909		1,818	909		2,
10 11			1/2	909					,			-,
10 11 12	Caulking (allowance) Exterior door (allowance)	10,000							2.713	979		3 /
10 11 12 13	Caulking (allowance) Exterior door (allowance) Windows (4' x 8')	10,000 11,520	756	979		1,735	979		2,713 11.700	979 4.220		
10 11 12 13 14	Caulking (allowance) Exterior door (allowance) Windows (4' x 8') Windows (3' x 8')	10,000 11,520 49,680	756 3,260	979 4,220		1,735 7,480	979 4,220		11,700	4,220		15,9
10 11 12 13 14	Caulking (allowance) Exterior door (allowance) Windows (4' x 8') Windows (3' x 8') Exterior building lights	10,000 11,520 49,680 400	756 3,260 23	979 4,220 63		1,735 7,480 86	979 4,220 63		11,700 149	4,220 63		15,
10 11 12 13 14 15	Caulking (allowance) Exterior door (allowance) Windows (4' x 8') Windows (3' x 8') Exterior building lights Blinds	10,000 11,520 49,680 400 3,600	756 3,260 23 17	979 4,220 63 189		1,735 7,480 86 206	979 4,220 63 189		11,700 149 394	4,220 63 189		15,
10 11 12 13 14 15 16	Caulking (allowance) Exterior door (allowance) Windows (4' x 8') Windows (3' x 8') Exterior building lights Blinds VCT	10,000 11,520 49,680 400 3,600 17,279	756 3,260 23	979 4,220 63 189 2,722		1,735 7,480 86 206 3,667	979 4,220 63 189 2,722		11,700 149 394 6,390	4,220 63 189 2,722		3,0 15,9 2
10 11 12 13 14 15 16 17	Caulking (allowance) Exterior door (allowance) Windows (4' x 8') Windows (3' x 8') Exterior building lights Blinds VCT Interior painting (allowance)	10,000 11,520 49,680 400 3,600 17,279 10,000	756 3,260 23 17	979 4,220 63 189 2,722 2,500		1,735 7,480 86 206 3,667 2,500	979 4,220 63 189 2,722 2,500		11,700 149 394 6,390 5,000	4,220 63 189 2,722 2,500		15, 9, 7,
10 11 12 13 14 15 16 17	Caulking (allowance) Exterior door (allowance) Windows (4' x 8') Windows (3' x 8') Exterior building lights Blinds VCT	10,000 11,520 49,680 400 3,600 17,279	756 3,260 23 17	979 4,220 63 189 2,722		1,735 7,480 86 206 3,667	979 4,220 63 189 2,722		11,700 149 394 6,390	4,220 63 189 2,722		15, 9,
10 11 12 13 14 15 16 17	Caulking (allowance) Exterior door (allowance) Windows (4' x 8') Windows (3' x 8') Exterior building lights Blinds VCT Interior painting (allowance)	10,000 11,520 49,680 400 3,600 17,279 10,000	756 3,260 23 17	979 4,220 63 189 2,722 2,500		1,735 7,480 86 206 3,667 2,500	979 4,220 63 189 2,722 2,500		11,700 149 394 6,390 5,000	4,220 63 189 2,722 2,500		9, 7,
10 11 12 13 14 15	Caulking (allowance) Exterior door (allowance) Windows (4' x 8') Windows (3' x 8') Exterior building lights Blinds VCT Interior painting (allowance) Piano, restoration (upright)	10,000 11,520 49,680 400 3,600 17,279 10,000	756 3,260 23 17	979 4,220 63 189 2,722 2,500		1,735 7,480 86 206 3,667 2,500	979 4,220 63 189 2,722 2,500		11,700 149 394 6,390 5,000	4,220 63 189 2,722 2,500		9, 7,



August 5, 2015 11545502ST JOHN'15

												cont'
[tor	Description of	Estimated	Allocation	2015	2015	2015 End of Year	2016	2016	2016	2017	2017	20 End of V
tem #	Projected Replacement	Replacement Costs	of Beginning Balance	Reserve Funding	Projected Replacements	End of Year Balance	Reserve	Projected Replacements	End of Year Balance	Reserve	Projected Replacements	End of Y Bala
223	Auditorium (ceiling lighting)	5,000	128	443	кериссиния	571	443	replacements	1,013	443	Replacements	1,4
24	Exit sign	500	27	43		70	43		113	43		1,
225	Interior door (allowance)	10,000		909		909	909		1,818	909		2,
226	Ceiling speakers	800	28	48		76	48		124	48		
227	Domestic water piping (allowance)	4,000		364		364	364		727	364		1,0
228	Water heater	2,000	115	314		429	314		743	314		1,0
229	Electrical (allowance)	5,000		313		313	313		625	313		
230	Exhaust fan (15,000 cfm)	3,000	103	322		424	322		746	322		1,0
231	Fan/coil unit (225,000 BTU)	10,400	456	765		1,221	765		1,986	765		2,
232	Compressor (15 ton)	20,800	498	2,256		2,753	2,256		5,009	2,256		7,
233	Fan/coil unit (45,000 BTU)	52,000		2,167		2,167	2,167		4,333	2,167		6,
234	Compressor (3 ton)	52,000		4,333		4,333	4,333		8,667	4,333		13,0
235	Compressor (5 ton)	10,400		867		867	867		1,733	867		2,
	HELLER HALL (CONT.)											
36	Boiler, (1,700 MBH)	20,000	383	1,226		1,609	1,226		2,835	1,226		4,
237	Water Heater	1,000	57	79		136	79		215	79		.,
238	A/V system	13,398	- /	1,218		1,218	1,218		2,436	1,218		3,
239	A/V Design/Integration	2,500		227		227	227		455	227		٥,
40	4 CH. mixer	199		18		18	18		36	18		
241	400 W power amp	300		27		27	27		55	27		
242	CD/MP3	350		32		32	32		64	32		
243	Power control	250		23		23	23		45	23		
44	Cabling	3,000		273		273	273		545	273		
245	Speakers	1,600		145		145	145		291	145		
246	Stackable chair (metal frame, plastic)	3,840		349		349	349		698	349		1,
247	6' round banquet table	2,650		241		241	241		482	241		-,
248	8' rectangle table	1,900		173		173	173		345	173		
249	Kitchen flooring	2,184	52	142		194	142		336	142		4
250	Commercial Refrigeration	3,200	77	208		285	208		493	208		
251	Ice Machine	1,500	36	98		133	98		231	98		3
252	Exhaust hood w/ suppression	8,800	211	573		783	573		1,356	573		1,9
253	Cabinets and countertop	8,000	191	521		712	521		1,233	521		1,
254	Commercial Range	10,000	239	651		890	651		1,541	651		2,
	GYMNASIUM											
255	Asphalt shingle	80,164	4,296	6,897		11,193	6,897		18,090	6,897		24,
256	Gutters and downspouts	6,360	274	553		827	553		1,380	553		1,
257	Brick veneer repoint (10% allowance)	10,020	537	862		1,399	862		2,261	862		3,
258	Caulking (allowance)	4,500		750		750	750		1,500	750		2,
259	Exterior door (allowance)	10,000		909		909	909		1,818	909		2,
260	Wood trim (allowance)	5,000		833		833	833		1,667	833		2,
261	Corrugated metal awning	19,200	514	519		1,034	519		1,553	519		2,
262	Windows (3' x 3')	4,860	186	223		409	223		631	223		
263	Windows (4' x 6')	5,950	228	272		500	272		773	272		1,
264	Windows (4' x 3')	3,150	121	144		265	144		409	144		:
265	Windows (2' x 2')	900	34	41		76	41		117	41		
266	Exterior building lights, small	250	14	39		54	39		93	39		
267	Exterior building lights, large	1,200	69	189		257	189		446	189		
268	Walkway lights, recessed	2,000	115	314		429	314		743	314		1,
	GYMNASIUM (CONT.)											
269	Conference Center, renovation	26,600	1,782	4,136		5,918	4,136		10,055	4,136		14,
270	Interior painting (allowance)	10,000		2,500		2,500	2,500		5,000	2,500		7,
271	Gymnasium flooring restoration	3,500		875		875	875		1,750	875		2,
272	Private restroom, renovation	5,204	279	448		727	448		1,174	448		1,
273	Standard restroom, renovation	20,000	1,072	1,721		2,793	1,721		4,513	1,721		6,
274	Shower room, tbd	18,000	965	1,549		2,513	1,549		4,062	1,549		5,
75	Interior door (allowance)	10,000		909		909	909		1,818	909		2,
76	Gymnasium (ceiling down light)	14,400		1,309		1,309	1,309		2,618	1,309		3,
.77	Gymnasium (ceiling spot lighting)	9,000		818		818	818		1,636	818		2,4
78	Emergency lights	1,250	67	108		175	108		282	108		:
279	Exit sign	1,250	67	108		175	108		282	108		
280	Fire Alarm Control Panel	10,200	683	1,586		2,269	1,586		3,856	1,586		5,
281	Fire Alarm, booster panel	1,500	100	233		334	233		567	233		
282	Fire sprinkler compressor for dry pipe	750	32	65		98	65		163	65		
283	Fire sprinkler system (allowance)	10,000	431	870		1,301	870		2,171	870		3,0
284	Smoke detector	10,000	536	860		1,396	860		2,257	860		3,
285	Fire strobe	1,500	80	129		209	129		339	129		
86	Fire alarm pull	750	40	65		105	65		169	65		



	COMPONE	NT MF	THOD -	THREE-Y	EAR REPL	CEME	NT FUNDING	G - TARI	E CM4 cont
	Description of	Estimated	Allocation	2015	2015 2015	2016	2016 20		2017 2
em	Projected	Replacement	of Beginning		Projected End of Year	Reserve	Projected End of Ye		Projected End of Y
#	Replacement	Costs	Balance	Funding Repla			Replacements Balar		Replacements Bala
87	Emergency lights	750	40	65	105	65	1	65	
38	Domestic water piping (allowance)	4,000	153	641	794	641	1,4	35 641	2,
39	Water heater	1,000	57	157	215	157	3	72 157	
90	Exhaust fan (15,000 cfm)	1,500	65	130	195	130	3	26 130	
91	Electrical (allowance)	5,000	287	785	1,073	785	1,8		2,
92	Fan/coil unit (75,000 btu)	20,800	746	1,337	2,083	1,337	3,4		4,
93		20,800	746	1,337	2,083	1,337	3,4		4,
	Compressor (5 ton)								
94	Condensing Unit (25 ton)	41,600	1,493	2,674	4,167	2,674	6,8		9,
95	AHU w/ coil (200,000 btu)	41,600	2,787	6,469	9,256	6,469	15,7		22,
296	Unit Heater (150,000 btu)	13,000	871	2,022	2,892	2,022	4,9		6,
297	Water Heater	800	46	126	172	126	2	97 126	
298	Access Control System (ACS)	6,604	379	1,037	1,417	1,037	2,4	54 1,037	3,
99	Camera	5,400	310	848	1,158	848	2,0	07 848	2,
00	CCTV system	2,850	164	448	611	448	1,0	59 448	1,
	GYMNASIUM (CONT.)								
01	A/M quatem	12 200		927	927	927	1.6	75 027	2
801	A/V system	13,398		837	837	837	1,6		2,
302	Projector and screen	6,500		406	406	406			1,
03	Folding table	2,400		114	114	114		29 114	
304	Bleachers	64,000		3,048	3,048	3,048	6,0		9,
05	Scoreboard system	5,000		238	238	238		76 238	
06	Concrete pad	3,420	16	179	196	179	3	75 179	
	RECTORY								
07	Asphalt shingle	12,725	195	597	791	597	1,3	38 597	1,
808	Garage, Asphalt shingle	6,970	107	327	434	327		50 327	1,
09	Built-up roof	20,800	896	1,809	2,705	1,809	4,5		6,
10	Gutters and downspouts	1,926	46	125	171	125		97 125	
11	Soffit, vinyl	1,140	44	73	117	73	1	90 73	
12	Siding, painted aluminum, restoration	10,800		982	982	982	1,9	54 982	2,
13	Garage door	4,000		267	267	267	5	33 267	
314	Windows (3' x 5')	29,700	1,624	1,872	3,496	1,872	5,3	58 1,872	7,
315	Carpet	10,625		1,328	1,328	1,328	2,6		3,
316	VCT	3,300		220	220	220		40 220	- ,
317	Interior painting (allowance)	4,000		1,000	1,000	1,000	2,0		3,
			200						
318	Small restroom, renovation	9,000	388	783	1,171	783	1,9		2,
319 320	Wood flooring restoration Private restroom, renovation	250 10,408	558	63 895	63 1,453	63 895	2,3	25 63 49 895	3,
	RECTORY (CONT.)								
321	Fan/coil unit (45,000 btu)	13,000	570	956	1,526	956	2,4		3,
322	Compressor (3 ton)	6,400	281	471	751	471	1,2	22 471	1,
23	Fan/coil unit (30,000 btu)	6,400	281	471	751	471	1,2	22 471	1,
324	Compressor (2 ton)	6,400	281	471	751	471	1,2		1,
325	Fan/coil unit (75,000 btu)	20,800	912	1,530	2,442	1,530	3,9		5,
26	Compressor (5 ton)	10,400	71	795	866	795	1,6		2,
327	Boiler, (50 MBH)	10,400	239	651	890	651	1,5		2,
			239						
28	Water Heater	8,500		531	531	531	1,0		1,
329	Access Control System (ACS)	6,604	169	585	754	585	1,3		1,
330	CCTV system	2,850	73	252	325	252		78 252	
31	Countertop and Basin	3,000	72	195	267	195		52 195	
32	Kitchen flooring	900	22	59	80	59		39 59	
33	Refrigeration	1,800	43	117	160	117	2	77 117	
34	Enclosed base cabinet	2,000	48	130	178	130		08 130	
35	Dishwasher	700	17	46	62	46		08 46	
36	Range	700	17	46	62	46	1	08 46	
	HOUSE OF MINISTRIES								
37	Asphalt shingle	10,893	167	511	678	511	1,1	38 511	1,
338	Gutters and downspouts	2,160		103	103	103	2	06 103	
39	Soffit, vinyl	1,254	19	59	78	59		37 59	
40	Siding, vinyl	20,064	307	941	1,248	941	2,1		3,
41	Garage door	4,000	61	188	249	188		36 188	5,
42			01			1,063	2,1		3,
	Carpet	8,500		1,063	1,063				
43	Interior painting (allowance)	4,000		1,000	1,000	1,000	2,0		3,
44	Small restroom w/shower, renovation	5,000	215	435	650	435	1,0		1,
45	Emergency lights	1,250	67	108	175	108		32 108	
46	Water heater (80 gal.)	2,500	144	393	536	393		29 393	1,
47	Compressor (2 ton)	3,200		133	133	133	2	57 133	
48	Compressor (5 ton)	20,800	746	1,337	2,083	1,337	3,4	20 1,337	4,
49	Fan/coil unit (60,000 btu)	13,000	622	1,768	2,390	1,768	4,1		5,
				435	,		1,0		-,



	COMPONE	NT ME	THOD -	THRE	E-YEAR	REPLA	CEME	NT FU	NDING -	TABL	E CM4	cont'd
Item #	Description of Projected Replacement	Estimated Replacement Costs	Allocation of Beginning Balance	2015 Reserve Funding	2015 Projected Replacements	2015 End of Year Balance	2016 Reserve Funding	2016 Projected Replacements	2016 End of Year Balance	2017 Reserve Funding	2017 Projected Replacements	2017 End of Year Balance
351	Sump pump	1,000	29	139		167	139		306	139		445
	HOUSE OF MINISTRIES (CONT.)											
352	Access Control System (ACS)	6,604	169	585		754	585		1,339	585		1,92
353	CCTV system	2,850	73	252		325	252		578	252		830
354	Kitchen flooring	750	18	49		67	49		116	49		16
355	Commercial Refrigeration	1,800	43	117		160	117		277	117		39
356	Cabinet and countertop	5,000	120	325		445	325		770	325		1,09
357	Commercial Range	750	18	49		67	49		116	49		16
358	ADA ramp	5,280	126	344		470	344		813	344		1,15
	MISC.											
359	Allowance for Steeple Cross	10,000	861	1,523		2,384	1,523		3,908	1,523		5,43
360	Allowance for Church Pew Restoration	75,000	5,862	6,285		12,147	6,285		18,432	6,285		24,71
361	Guest house, asphalt shingle	3,766	58	177		234	177		411	177		58
362	Guest house, gutters and downspouts	720	31	63		94	63		156	63		21
363	Guest house, siding	10,944	587	942		1,528	942		2,470	942		3,41

1. COMMON INTEREST DEVELOPMENTS - AN OVERVIEW

Over the past 40 years, the responsibility for community facilities and infrastructure around many of our homes has shifted from the local government to Community Associations. Thirty years ago, a typical new town house abutted a public street on the front and a public alley on the rear. Open space was provided by a nearby public park and recreational facilities were purchased ala carte from privately owned country clubs, swim clubs, tennis clubs, and gymnasiums. Today, 60% of all new residential construction, i.e. townhouses, single-family homes, condominiums, and cooperatives, is in Common Interest Developments (CID). In a CID, a homeowner is bound to a Community Association that owns, maintains, and is responsible for periodic replacements of various components that may include the roads, curbs, sidewalks, playgrounds, streetlights, recreational facilities, and other community facilities and infrastructure.

The growth of Community Associations has been explosive. In 1965, there were only 500 Community Associations in the United States. According to the 1990 U.S. Census, there were 130,000 Community Associations. Community Associations Institute (CAI), a national trade association, estimates there were more than 200,000 Community Associations in the year 2000, and that the number of Community Associations will continue to multiply.

The shift of responsibility for billions of dollars of community facilities and infrastructure from the local government and private sector to Community Associations has generated new and unanticipated problems. Although Community Associations have succeeded in solving many short-term problems, many Associations have failed to properly plan for the tremendous expenses of replacing community facilities and infrastructure components. When inadequate replacement reserve funding results in less than timely replacements of failing components, home owners are exposed to the burden of special assessments, major increases in Association fees, and a decline in property values.

2. REPLACEMENT RESERVE STUDY

The purpose of a Replacement Reserve Study is to provide the Association with an inventory of the common community facilities and infrastructure components that require periodic replacement, a general view of the condition of these components, and an effective financial plan to fund projected periodic replacements. The Replacement Reserve Study consists of the following:

- Replacement Reserve Study Introduction. The introduction provides a description of the property, reviews the intent of
 the Replacement Reserve Study, and lists documents and site evaluations upon which the Replacement Reserve
 Study is based.
- Section A Replacement Reserve Analysis. Many components owned by the Association have a limited life and require periodic replacement. Therefore, it is essential the Association have a financial plan that provides funding for the timely replacement of these components in order to protect the safety, appearance, and value of the community. In conformance with American Institute of Certified Public Accountant guidelines, a Replacement Reserve Analysis evaluates the current funding of Replacement Reserves as reported by the Association and recommends annual funding of Replacement Reserves by two generally accepted accounting methods; the Cash Flow Method and the Component Method. Miller Dodson provides a replacement reserve recommendation based on the Cash Flow Method in Section A, and the Component Method in the Appendix of the report.
- Section B Replacement Reserve Inventory. The Replacement Reserve Inventory lists the commonly owned
 components within the community that require periodic replacement using funding from Replacement Reserves. The
 Replacement Reserve Inventory also provides information about components excluded from the Replacement
 Reserve Inventory whose replacement is not scheduled for funding from Replacement Reserves.

Replacement Reserve Inventory includes estimates of the normal economic life and the remaining economic life for those components whose replacement is scheduled for funding from Replacement Reserves.

- Section C Projected Annual Replacements. The Calendar of Projected Annual Replacements provides a year-by-year listing of the Projected Replacements based on the data in the Replacement Reserve Inventory.
- Section D Condition Assessment. Several of the items listed in the Replacement Reserve Inventory are discussed in more detail. The Condition Assessment includes a narrative and photographs that document conditions at the property observed during our visual evaluation.
- The Appendix is provided as an attachment to the Replacement Reserve Study. Additional attachments may include supplemental photographs to document conditions at the property and additional information specific to the property cited in the Conditions Assessment (i.e. Consumer Product Safety Commission, Handbook for Public Playground Safety, information on segmental retaining walls, manufacturer recommendations for asphalt shingles or siding, etc).
 The Appendix also includes the Accounting Summary for the Cash Flow Method and the Component Method.



Overview, Standard Terms, and Definitions

3. METHODS OF ANALYSIS

The Replacement Reserve industry generally recognizes two different methods of accounting for Replacement Reserve Analysis. Due to the difference in accounting methodologies, these methods lead to different calculated values for the Minimum Annual Contribution to the Reserves. The results of both methods are presented in this report. The Association should obtain the advice of its accounting professional as to which method is more appropriate for the Association. The two methods are:

Cash Flow Method. The Cash Flow Method is sometimes referred to as the "Pooling Method." It calculates the
minimum constant annual contribution to reserves (Minimum Annual Deposit) required to meet projected expenditures
without allowing total reserves on hand to fall below the specified minimum level in any year.

First, the Minimum Recommended Reserve Level to be Held on Account is determined based on the age, condition, and replacement cost of the individual components. The mathematical model then allocates the estimated replacement costs to the future years in which they are projected to occur. Based on these expenditures, it then calculates the minimum constant yearly contribution (Minimum Annual Deposit) to the reserves necessary to keep the reserve balance at the end of each year above the Minimum Recommended Reserve Level to be Held on Account. The Cash Flow Analysis assumes that the Association will have authority to use all of the reserves on hand for replacements as the need occurs. This method usually results in a Minimum Annual Deposit that is less than that arrived at by the Component Method.

 Component Method. This method is a time tested mathematical model developed by HUD in the early 1980s, but has been generally relegated to a few States that require it by law. For the vast majority of Miller - Dodson's clients, this method is not used.

The Component Method treats each item in the replacement schedule as an individual line item budget. Generally, the Minimum Annual Contribution to Reserves is higher when calculated by the Component Method. The mathematical model for this method works as follows:

First, the total Current Objective is calculated, which is the reserve amount that would have accumulated had all of the items on the schedule been funded from initial construction at their current replacement costs. Next, the Reserves Currently on Deposit (as reported by the Association) are distributed to the components in the schedule in proportion to the Current Objective. The Minimum Annual Deposit for each component is equal to the Estimated Replacement Cost, minus the Reserves on Hand, divided by the years of life remaining.

4. REPLACEMENT RESERVE STUDY DATA

- Identification of Reserve Components. The Reserve Analyst has only two methods of identifying Reserve Components; (1) information provided by the Association and (2) observations made at the site. It is important that the Reserve Analyst be provided with all available information detailing the components owned by the Association. It is our policy to request such information prior to bidding on a project and to meet with the individuals responsible for maintaining the community after acceptance of our proposal. After completion of the Study, the Study should be reviewed by the Board of Directors, individuals responsible for maintaining the community, and the Association's accounting professionals. We are dependent upon the Association for correct information, documentation, and drawings.
- Unit Costs. Unit costs are developed using nationally published standards and estimating guides and are adjusted by state or region. In some instances, recent data received in the course of our work is used to modify these figures.

Contractor proposals or actual cost experience may be available as part of the Association records. This is useful information, which should be incorporated into your report. Please bring any such available data to our attention, preferably before the report is commenced.

• Replacement vs. Repair and Maintenance. A Replacement Reserve Study addresses the required funding for Capital Replacement Expenditures. This should not be confused with operational costs or cost of repairs or maintenance.



Overview, Standard Terms, and Definitions

5. DEFINITIONS

Adjusted Cash Flow Analysis. Cash flow analysis adjusted to take into account annual cost increases due to inflation and interest earned on invested reserves. In this method, the annual contribution is assumed to grow annually at the inflation rate.

Annual Deposit if Reserves Were Fully Funded. Shown on the Summary Sheet A1 in the Component Method summary, this would be the amount of the Annual Deposit needed if the Reserves Currently on Deposit were equal to the Total Current Objective.

Cash Flow Analysis. See Cash Flow Method, above.

Component Analysis. See Component Method, above.

Contingency. An allowance for unexpected requirements. Roughly the same as the Minimum Recommended Reserve Level to be Held on Account used in the Cash Flow Method of analysis.

Critical Year. In the Cash Flow Method, a year in which the reserves on hand are projected to fall to the established minimum level. See Minimum Recommended Reserve Level to be Held on Account.

Current Objective. This is the reserve amount that would have accumulated had the item been funded from initial construction at its current replacement cost. It is equal to the estimated replacement cost divided by the estimated economic life, times the number of years expended (the difference between the Estimated Economic Life and the Estimated Life Left). The Total Current Objective can be thought of as the amount of reserves the Association should now have on hand based on the sum of all of the Current Objectives.

Cyclic Replacement Item. A component item that typically begins to fail after an initial period (Estimated Initial Replacement), but which will be replaced in increments over a number of years (the Estimated Replacement Cycle). The Reserve Analysis program divides the number of years in the Estimated Replacement Cycle into five equal increments. It then allocates the Estimated Replacement Cost equally over those five increments. (As distinguished from Normal Replacement Items, see below)

Estimated Economic Life. Used in the Normal Replacement Schedules. This represents the industry average number of years that a new item should be expected to last until it has to be replaced. This figure is sometimes modified by climate, region, or original construction conditions.

Estimated Economic Life Left. Used in the Normal Replacement Schedules. Number of years until the item is expected to need replacement. Normally, this number would be considered to be the difference between the Estimated Economic Life and the age of the item. However, this number must be modified to reflect maintenance practice, climate, original construction and quality, or other conditions. For the purpose of this report, this number is determined by the Reserve Analyst based on the present condition of the item relative to the actual age.

Estimated Initial Replacement. For a Cyclic Replacement Item (see above), the number of years until the replacement cycle is expected to begin.

Estimated Replacement Cycle. For a Cyclic Replacement Item, the number of years over which the remainder of the component's replacement occurs.

Minimum Annual Deposit. Shown on the Summary Sheet A1. The calculated requirement for annual contribution to reserves as calculated by the Cash Flow Method (see above).

Minimum Deposit in the Study Year. Shown on the Summary Sheet A1. The calculated requirement for contribution to reserves in the study year as calculated by the Component Method (see above).

Minimum Recommended Reserve Level to be Held on Account. Shown on the Summary Sheet A1, this number is used in the Cash Flow Method only. This is the prescribed level below which the reserves will not be allowed to fall in any year. This amount is determined based on the age, condition, and replacement cost of the individual components. This number is normally given as a percentage of the total Estimated Replacement Cost of all reserve components.

Normal Replacement Item. A component of the property that, after an expected economic life, is replaced in its entirety. (As distinguished from Cyclic Replacement Items, see above.)



Overview, Standard Terms, and Definitions

Normal Replacement Schedules. The list of Normal Replacement Items by category or location. These items appear on pages designated.

Number of Years of the Study. The numbers of years into the future for which expenditures are projected and reserve levels calculated. This number should be large enough to include the projected replacement of every item on the schedule, at least once. This study covers a 40-year period.

One Time Deposit Required to Fully Fund Reserves. Shown on the Summary Sheet A1 in the Component Method summary, this is the difference between the Total Current Objective and the Reserves Currently on Deposit.

Reserves Currently on Deposit. Shown on the Summary Sheet A1, this is the amount of accumulated reserves as reported by the Association in the current year.

Reserves on Hand. Shown in the Cyclic Replacement and Normal Replacement Schedules, this is the amount of reserves allocated to each component item in the Cyclic or Normal Replacement schedules. This figure is based on the ratio of Reserves Currently on Deposit divided by the total Current Objective.

Replacement Reserve Study. An analysis of all of the components of the common property of the Association for which a need for replacement should be anticipated within the economic life of the property as a whole. The analysis involves estimation for each component of its estimated Replacement Cost, Estimated Economic Life, and Estimated Life Left. The objective of the study is to calculate a recommended annual contribution to the Association's Replacement Reserve Fund.

Total Replacement Cost. Shown on the Summary Sheet A1, this is total of the Estimated Replacement Costs for all items on the schedule if they were to be replaced once.

Unit Replacement Cost. Estimated replacement cost for a single unit of a given item on the schedule.

Unit (of Measure). Non-standard abbreviations are defined on the page of the Replacement Reserve Inventory where the item appears. The following standard abbreviations are used in this report:

EA: each FT: feet LS: lump sum PR: pair SF: square feet SY: square yard



What is a Reserve Study? Who are we?



http://bcove.me/nc0o69t7

What kind of property uses a Reserve Study? Who are our clients?



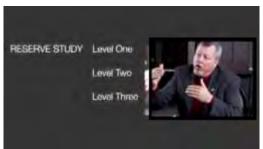
http://bcove.me/stt373hj

Who conducts a Reserve Study? Reserve Specialist (RS) what does this mean?



http://bcove.me/81ch7kjt

When should a Reserve Study be updated? What are the different types of Reserve Studies?



http://bcove.me/ixis1yxm

What is in a Reserve Study and what is out? Improvement vs Component, is there a difference?



http://bcove.me/81ch7kjt

What is my role as a Community Manager? Will the report help me explain Reserves to my



http://bcove.me/fazwdk3h

clients?

What is my role as a Board Member? Will a Reserve Study meet my community's needs?



http://bcove.me/n6nwnktv

Community dues, how can a Reserve Study help? Will a study help keep my property competitive?



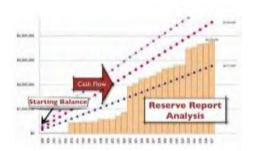
http://bcove.me/2vfih1tz

How do I read the report? Will I have a say in what the report contains?



http://bcove.me/wb2fugb1

Where do the numbers come from? Cumulative expenditures and funding, what?



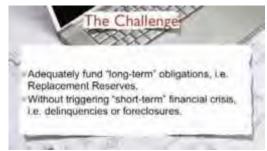
http://bcove.me/7buer3n8

How are interest and inflation addressed? What should we look at when considering inflation?



http://bcove.me/s2tmtj9b

A community needs more help, where do we go? What is a Strategic Funding Plan?



http://bcove.me/iqul31vq

