

CAPITAL RESERVE STUDY

CATEGORY 2: UPDATE WITH ON-SITE REVIEW





LEISURE KNOLL AT MANCHESTER

HOMEOWNERS ASSOCIATION

1 BUCKINGHAM DRIVE NORTH, MANCHESTER TOWNSHIP, NJ 08759

Fiscal Year: 2016

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Care of: Board of Trustees

1 Buckingham Drive Manchester, NJ 08759

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Table of Contents

Introduction & General Information	3
Terms, Definitions, & Abbreviations	4
Disclosures	
Association Physical Description	7
Bibliography	8
Study Methodology & Assumptions	9
Capital Replacement Items	10
Excluded Items	21
Financial Analysis & Funding Plan	22
Appendix A: Reserve Component Inventory	
Appendix B: Yearly Expense Projection	
Appendix C: Funding Plan	

Introduction & General Information

A Capital Reserve Study is a report prepared to estimate the amount of money which must be put aside for future repairs and replacements to the Association's physical plant. The report is a tool for evaluating and establishing a stable level of reserve funding.

The primary reason to set aside reserve funds is to ensure that adequate funds are available for anticipated long-term maintenance of common areas. Reserve funding is a means of fairly distributing the costs of future replacement to the common elements among all owners. The reserve fund is integral to the Association's administration of fiscal planning and budgeting. In addition, the reserve funding is an indicator of the financial strength of the Association which will affect the value of the units.

This Reserve Study consists of two (2) parts: the physical analysis and the financial analysis. This Capital Reserve Study was prepared in accordance with the "National Reserve Study Standards" of the Community Associations Institute (C.A.I.).

The following three categories describe the various types of Reserve Studies, from exhaustive to minimal:

	Reserve Study Tasks:	Category I:	Category II:	Category III:
	,	Full	Update	Office Update
			with Site-Visit &On-Site Review	No Site-Visit &Off-Site Review
	Component Inventory	X	X	
la is		(quantification)	(verification only)	
Physical Analysis	Condition Assessment	X	X	
Ph Ar		(based upon on-site	(based upon on-site	
		visual observations)	visual observations)	
Te s	Life & Valuation Estimates	X	X	X
Financial Analysis	Fund Status	X	X	X
Fin	Funding Plan	X	X	X

This report will analyze the future replacement costs for common elements which are capital items with a reasonably predictable useful life. The capital items will be limited to those items which have a useful life exceeding two (2) years. If a certain item requires replacement more often than every two (2) years, it should be included in the operating budget. Furthermore, items will be excluded if they have an insignificant cost or if they are permanent in nature. Items with an insignificant cost would be those that could be funded in the operating budget without any adverse financial impact. Items of a permanent nature are those which exceed the thirty (30) year study period and those which are integral to reconstruction of the entire project, such as; concrete footings, foundation walls, crawlspace and roof wood framing, in-wall utility services and stormwater piping. Since the remaining useful life estimates, inflation and interest need on-going review, it is recommended that the study be updated every three (3) to five (5) years. An older Association with a significant amount of repair and replacement activity may need to update its study annually.

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Terms, Definitions, & Abbreviations

- 1. <u>Cash Flow Method:</u> A method of developing a Reserve Funding Plan where contributions to the Reserve fund are designed to offset the variable annual expenditures from the Reserve fund. Different Reserve Funding Plans are tested against the anticipated schedule of Reserve expenses until the desired Funding Goal is achieved.
- 2. <u>Component:</u> The individual line items in the Reserve Study, developed or updated in the Physical Analysis. These elements form the building blocks for the Reserve Study. Components typically are:
 - a) Association responsibility
 - b) with limited Useful Life expectancies
 - c) predictable Remaining Useful Life expectancies
 - d) above a minimum threshold cost
 - e) as required by local codes.
- 3. <u>Component Inventory:</u> The task of selecting and quantifying Reserve Components. This task can be accomplished through on-site visual observations, review of association design and organizational documents, a review of established association precedents and discussion with appropriate Association representative(s).
- 4. <u>Component Method:</u> A method of developing a Reserve Funding Plan where the total contributions are based on the sum of contributions for individual components. See "Cash Flow" method.
- 5. <u>Condition Assessment:</u> The task of evaluating the current condition of the component based on observed or reported characteristics.
- 6. <u>Current Replacement Cost:</u> See "Replacement Cost."
- 7. <u>Deficit:</u> An actual (or projected) Reserve Balance at the end of any fiscal year or at the end of the study which is less than the Fully Funded Balance. The opposite would be a Surplus.
- 8. <u>Effective Age:</u> The difference between the Useful Life and the Remaining Useful Life. Not always equivalent to chronological age, since some components age irregularly. Used primarily in computations.
- 9. <u>Financial Analysis:</u> The portion of a Reserve Study where current status of the Reserves (measured as cash or Percent Funded) and a recommended Reserve contribution rate (Reserve Funding Plan) are derived and the projected Reserve income and expense over time is presented. The Financial Analysis is one of the two parts of a Reserve Study.
- 10. <u>Fully Funded:</u> One-hundred (100%) percent Funded. When the actual (or projected) Reserve Balance is equal to the Fully Funded Balance
- 11. <u>Fully Funded Balance (FFB):</u> Total Accrued Depreciation. An indicator against which Actual (or projected) Reserve Balance can be compared. The Reserve Balance that is in direct proportion to the fraction of the life "used up" of the current Repair of Replacement cost. This number is calculated for each component, then summed together for an association total. Two (2) formulae can be utilized, depending on the provider's sensitivity to interest and inflation effects.

Note: Both yield identical results when interest and inflation are equivalent.

$$(FFB) = CurrentCos t \times \frac{EffectiveA ge}{UsefulLife}$$

or

$$(FFB) = (CurrentCo st \times \frac{EffectiveA ge}{UsefulLife}) + \frac{CurrentCo st \times \frac{EffectiveA ge}{UsefulLife}}{(1 + InterestRa te)} + \frac{CurrentCo st \times \frac{EffectiveA ge}{UsefulLife}}{(1 + InflationR ate)} + \frac{CurrentCo st \times \frac{EffectiveA ge}{UsefulLife}}{(1 + InflationR ate)} + \frac{CurrentCo st \times \frac{EffectiveA ge}{UsefulLife}}{(1 + InflationR ate)} + \frac{CurrentCo st \times \frac{EffectiveA ge}{UsefulLife}}{(1 + InflationR ate)} + \frac{CurrentCo st \times \frac{EffectiveA ge}{UsefulLife}}{(1 + InflationR ate)} + \frac{CurrentCo st \times \frac{EffectiveA ge}{UsefulLife}}{(1 + InflationR ate)} + \frac{CurrentCo st \times \frac{EffectiveA ge}{UsefulLife}}{(1 + InflationR ate)} + \frac{CurrentCo st \times \frac{EffectiveA ge}{UsefulLife}}{(1 + InflationR ate)} + \frac{CurrentCo st \times \frac{EffectiveA ge}{UsefulLife}}{(1 + InflationR ate)} + \frac{CurrentCo st \times \frac{EffectiveA ge}{UsefulLife}}{(1 + InflationR ate)} + \frac{CurrentCo st \times \frac{EffectiveA ge}{UsefulLife}}{(1 + InflationR ate)} + \frac{CurrentCo st \times \frac{EffectiveA ge}{UsefulLife}}{(1 + InflationR ate)} + \frac{CurrentCo st \times \frac{EffectiveA ge}{UsefulLife}}{(1 + InflationR ate)} + \frac{CurrentCo st \times \frac{EffectiveA ge}{UsefulLife}}{(1 + InflationR ate)} + \frac{CurrentCo st \times \frac{EffectiveA ge}{UsefulLife}}{(1 + InflationR ate)} + \frac{CurrentCo st \times \frac{EffectiveA ge}{UsefulLife}}{(1 + InflationR ate)} + \frac{CurrentCo st \times \frac{EffectiveA ge}{UsefulLife}}{(1 + InflationR ate)} + \frac{CurrentCo st \times \frac{EffectiveA ge}{UsefulLife}}{(1 + InflationR ate)} + \frac{CurrentCo st \times \frac{EffectiveA ge}{UsefulLife}}{(1 + InflationR ate)} + \frac{CurrentCo st \times \frac{EffectiveA ge}{UsefulLife}}{(1 + InflationR ate)} + \frac{CurrentCo st \times \frac{EffectiveA ge}{UsefulLife}}{(1 + InflationR ate)} + \frac{CurrentCo st \times \frac{EffectiveA ge}{UsefulLife}}{(1 + InflationR ate)} + \frac{CurrentCo st \times \frac{EffectiveA ge}{UsefulLife}}{(1 + InflationR ate)} + \frac{CurrentCo st \times \frac{EffectiveA ge}{UsefulLife}}{(1 + InflationR ate)} + \frac{CurrentCo st \times \frac{EffectiveA ge}{UsefulLife}}{(1 + InflationR ate)} + \frac{CurrentCo st \times \frac{EffectiveA ge}{UsefulLife}}{(1 + InflationR ate)} + \frac{CurrentCo st \times \frac{EffectiveA ge}{UsefulLife}}{(1 + InflationR ate)} + \frac$$

12. <u>Fund Status:</u> The status of the Reserve Fund as compared to an established benchmark such as percent funding.

- 13. <u>Funding Goals:</u> Independent of methodology utilized, the following represent the basic categories of Funding Plan goals:
 - a) Baseline Funding: Establishing a Reserve funding goal of keeping the Reserve cash balance above zero.
 - b) Full Funding: Setting a Reserve funding goal of attaining and maintaining Reserves at or near one-hundred (100%) percent funded.
 - c) Statutory Funding: Establishing a Reserve funding goal of setting aside the specific minimum amount of Reserves required by local statutes.
 - d) Threshold Funding: Establishing a Reserve funding goal of keeping the Reserve balance above a specified dollar or Percent Funded amount. Depending on the threshold, this may be more or less conservative than "Fully Funding".
- 14. <u>Funding Plan:</u> An Association's plan to provide income to a Reserve Fund to offset anticipated expenditures from that fund.
- 15. Funding Principles:
 - a) Sufficient Funds when Required
 - b) Stable Contribution Rate over the Years
 - c) Evenly Distributed Contributions over the Years
 - d) Fiscally Responsible
- 16. <u>Life and Valuation Estimates:</u> The task of estimating Useful Life, Remaining Useful Life and Repair or Replacement Costs for the Reserve components.
- 17. <u>Percent Funded:</u> The ratio, at a particular point of time (typically the beginning of the Fiscal Year), of the actual (or projected) Reserve Balance to the Fully Funded Balance, expressed as a percentage.
- 18. Physical Analysis: The portion of the Reserve Study where the Component Inventory, Condition Assessment and Life and Valuation Estimate tasks are performed. This represents one of the two parts of the Reserve Study.
- 19. Remaining Useful Life: Also referred to as "Remaining Life". The estimated time, in years, that a reserve component can be expected to continue to serve its intended function.
- 20. Replacement Cost: The cost of replacing, repairing or restoring a Reserve Component to its original functional condition. The Current Replacement Cost would be the cost to replace, repair or restore the component during that particular year.
- 21. Reserve Balance: Actual or projected funds as of a particular point in time that the Association has identified for use to defray the future replacement of those major components which the Association is obligated to maintain. Also known as Reserves, Reserve Accounts, Cash Reserves.
- 22. Reserve Provider: An individual that prepares Reserve Studies.
- 23. Reserve Study: A budget planning tool which identifies the current status of the reserve fund and a stable and equitable Funding Plan to offset the anticipated future major common area expenditures. The Reserve Study consists of two (2) parts: the Physical Analysis and the Financial Analysis.
- 24. <u>Special Assessment:</u> An assessment levied on the members of an Association in addition to regular assessments in anticipation of unexpected common element replacement and funding deficit. Special assessments are often regulated by governing documents or local statutes.
- 25. Surplus: An actual (or projected) Reserve Balance greater than the Fully Funded Balance. See "Deficit".
- 26. <u>Useful Life (UL):</u> Total Useful Life or Depreciable Life. The estimated time, in years, that a reserve component can be expected to serve its intended function if properly constructed in its present application or installation.

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Disclosures

At the time this reserve study was conducted FWH Associates, P.A. (FWH) has had no involvements with the Association, which could result in actual or perceived conflicts of interest.

Any on-site inspections performed as a part of this Capital Reserve Study are inclusive of all common areas within the community, and are non-destructive in nature.

The completeness of this Capital Reserve Study is dependent upon the agreement that all relevant information has been provided to FWH. Any materials that have not been disclosed would cause a distortion of the Association's situation. Information provided by the official representative of the Association regarding financial, physical, quantity, or historical issues will be deemed reliable by FWH.

The reserve study will be a reflection of information provided to FWH and assembled for the Association's use, not for the purpose of performing an audit, quality/forensic analysis, or background checks of historical records.

All information provided to FWH regarding reserve projects will be considered reliable. On-site inspections should not be considered project audits or quality inspections.

Association Physical Description

Leisure Knoll at Manchester is a community consisting of one thousand six hundred twenty-six (1626) single-family residential units located in Manchester Township, Ocean County, NJ.

There are two (2) entrances in which to access the community, both of which are private entrances on Buckingham Drive. All roads are the responsibility of the Leisure Knoll at Manchester Homeowners Association.

Other common elements that are the responsibility of the Leisure Knoll at Manchester Homeowners Association include curbs, concrete surfaces, fencing, exterior illumination, recreational facilities, utilities not located within easements or owned by the respective utility companies, and other miscellaneous items. Common elements related to the Leisure Knoll at Manchester Association buildings (Lakeside Lodge, Timberland Hall, Performing Arts Center, and Association Building) such as exterior and interior building amenities, mechanical and electrical components, office equipment, community vehicles, etc., are also considered to be the responsibility of the Association.



1 Buckingham Drive North, Manchester Township, NJ 08759 Courtesy of © 2016 Google Maps

Bibliography

- 1. Reserve Study Guidelines for Community Associations, Planned Developments, Condominiums by Richard Wyndhamsmith 1989, Wyndamhouse, Inc.
- 2. Reserve to Preserve, by Community Associations Institute Research Observation, 1991.
- 3. Gap #24. A Complete Guide to Reserve Funding and Reserve Investment Strategies, 3rd Edition by The Community Associations Institute.
- 4. R.S. Means Building Construction Cost Data 2016, by Construction Consultants and Publishers.
- 5. R.S. Means Site Work and Landscape Cost Data 2016, by Construction Consultants and Publishers.
- 6. National Reserve Study Standards of The Community Association Institute, 2014.
- 7. Capital Reserve Study, FWH Associates, October 2013.

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Study Methodology & Assumptions

The common elements were identified through the previous capital reserve study. The quantities used in the replacement cost estimations of the common elements were taken from the previous capital reserve study. The remaining life expectancies of the common elements were determined by FWH through visual site inspections of the accessible common elements performed on May 25, 2016, through the experience of FWH, and by information provided by the Association. The Leisure Knoll at Manchester community was constructed in 1974, which is used as the base year of installation for the original common elements.

The current replacement costs were estimated utilizing published construction cost data, estimates provided by contractors, and cost data from recent similar projects performed by this firm. The useful life and remaining useful life were estimated based on field inspections of the items and on the assumption that adequate preventative maintenance exists and will be followed by the Association. Without proper maintenance, the common elements can deteriorate quickly and require funds from the reserves for replacement earlier than planned.

It should be noted that this data is an estimate based upon the experience of this firm. The work was performed pursuant to generally accepted standards of practice. Since accurate and detailed control over market conditions, usage, rate of deterioration, maintenance or weather conditions is not feasible, the actual costs and useful life expectancy will vary from the estimates presented. We cannot and do not represent or guarantee that the actual costs or useful life expectancy will not vary from those presented in this report. Periodic updates of the reserve study will make adjustments so that these variations will have no significant impact to the budget. It is recommended that the study be updated every three (3) to five (5) years.

The Capital Reserve Funding Plan developed within this report is based on the cash flow method. The cash flow method is a method of developing a Reserve Funding Plan where contributions to the Reserve Fund are designed to offset the variable annual expenditures from the Reserve Fund. Different Reserve Funding Plans are tested against the anticipated schedule of Reserve expenses until the desired Funding Goal is achieved. This report uses the threshold funding method, in which the reserve balance is kept above a percent funded amount. The threshold amount is determined by taking a percentage of the total value of all scheduled item replacement costs and is identified in the notes section of this report.

Capital Replacement Items

Asphalt Roadways

All of the paved surfaces within the community are constructed of bituminous concrete paving. Bituminous roadway paving has a typical useful life of twenty (20) years, after which it is expected to receive a new two (2") inch thick asphalt wearing surface.

Prior to the installation of a new wearing course, milling, crack repair, and reconstruction of base course failure are expected to occur. The costs to perform these additional operations are included in the unit cost provided within the schedule.

The roadways are part of the existing pavement resurfacing schedule and were therefore not inspected as part of the preparation of this Capital Reserve Study. The pavement phasing is shown in the table below.

PHASE	ROADWAY
1.	Hexham Court, Knoll Circle, Sandhurst Street
2.	Blackthorn Place, Westgate Place, Frilham Lane
3.	Greenwich Avenue, Parking Lot (Assoc. Office), Normanton Avenue, Carol Court,
	Hastings Road, Kent Lane
4.	Mansfield Avenue (Hastings to Tarworth, Mansfield Avenue (Tarworth to Buckingham),
	Oakham Row, Parking Lot (Recycling Center), Dorset Road
5.	Appleby Place, Buckingham Drive (North of Knoll Circle), Red Hill Road
6.	Wycombe Way, Buckingham Cuts, Harrow Place, Parking Lot (Lakeside Lodge)
7.	Durham Avenue, Leighton Lane, Marston Row, Parking Lot (Timberland Hall),
	Turnbridge Row, Twyford Lane
8.	Association Road, Harrogate Lane, Kirby Lane, St. Paul Place, Tarworth Terrace,
	Wolverton Place
9.	Maidstone Way, Romford Lane, Buckingham Drive (South of Knoll Circle)
10.	Banbury Avenue, Gladstone Avenue, Lambeth Lane, Surrey Street
11.	Blythe Lane, Cromwell Court, Edgeware Place, Elmswell Avenue, Esher Court,
	Flintshire Terrace, Heath Lane, Marlow Avenue, Newberry Row, Reigate Lane,
	Weybridge Place, Woodstock Lane

2. Concrete Sidewalk & Servicewalk

The sidewalks at the community are constructed of Portland Cement concrete, which has a typical useful life of thirty (30) years. The sidewalk is installed along the roadways and throughout the recreational areas. Any areas of sidewalk posing possible trip or *safety* hazards should be replaced immediately to eliminate the hazard. The sidewalks and servicewalks are part of the existing pavement resurfacing schedule and were therefore not inspected as part of the preparation of this Capital Reserve Study.

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3. <u>Concrete Driveway Aprons</u>

The driveway aprons, which is the area of concrete located between the end of each driveway and the roadway, are constructed of six (6") inch thick Portland Cement concrete. The replacement cost includes removal and disposal of the old apron. Any existing concrete aprons posing possible trip or safety hazards should be replaced immediately to eliminate the hazard. The driveway aprons are part of the existing pavement resurfacing schedule and were therefore not inspected as part of the preparation of this Capital Reserve Study.

4. Standard Concrete Curb and Gutter

The paved surfaces of the community are edged with combination curb and gutter which are constructed of Portland Cement. Portland Cement curbs and gutters have a typical useful life of forty-five (45) years. It is recommended that curb replacement is coordinated with the resurfacing of the roadways to avoid additional costs associated with the asphalt repairs necessary during curb replacement. The curb and gutter are part of the existing pavement resurfacing schedule and were therefore not inspected as part of the preparation of this Capital Reserve Study.

Swimming Pool

The pool area is enclosed by both a four (4') foot aluminum fence and a three (3') foot vinyl picket fence along the lakeside. These types of fencing have a twenty-five (25) year typical useful life. The four (4') foot fence was observed to be in average condition. The three (3') foot fence was observed to be in below average condition with many missing picket caps and some staining observed.

The interior marcite plaster surface of the pool requires resurfacing every seven (7) years to ensure a smooth watertight surface for swimmers. The pool is bordered with a decorative concrete pool coping and ceramic waterline tile, both of which have a typical useful life of twenty (20) years. The pool surface and border were observed to be in average condition with minor scraping observed on the brick coping.

The deck surrounding the swimming pool is constructed of concrete pavers, which have a thirty (30) year typical useful life. The deck was observed to be in average condition with minor staining observed. Trip hazards and areas presenting safety hazards should be replaced immediately through the operating budget.

The pool filtration system consists of sand filters and pumps. The Pentair Wisperflo pump was recently replaced and was observed to be in average condition. The sand filters are original and were observed to be in average



Swimming Pool

condition. The aerator pumps were observed to be in average condition.

The pool cover was not accessible during inspection.

The pool furniture consists of chairs and chaise lounges which have a typical useful life of fifteen (15) years. The furniture was observed to be in average condition for its age.

The pool area is supplied with a large canvas canopy supported by aluminum framing. The canopy was observed to be in average condition. It is anticipated that the framing will be re-used upon replacement of the canvas material.

The pool area gazebo roof is weatherproofed with architectural asphalt shingles which have a typical useful life of thirty (30) years. The roof was observed to be in average condition for its age.

6. Tennis Courts

Two (2) tennis courts are located within the community and are constructed of bituminous concrete. Funding for the resurfacing of the courts followed by replacement has been included in the schedule. It is recommended that the courts are recoated with a minimum of two coats of latexacrylic paint every seven (7) years to seal minor cracks and deficiencies in the surface and also to rejuvenate surface. Tennis courts have a typical useful life of twenty (20) years, after which time they will require an overlay of new asphalt or full reconstruction, depending on their condition. The unit costs for tennis court recoating includes reconstruction of all significant cracks, crack sealing, application of a new color coat, etc. The replacement cost includes a complete removal and replacement of the asphalt courts. The tennis courts were observed to be in average condition with minor cracking, wear at edges, and minor water ponding noted.

The ten (10') foot vinyl-coated chain link fence surrounding the courts has a typical useful life of twenty-five (25) years, and was observed to be in below average condition with peeling paint on the framework and rusted fasteners observed.

The nets and post have a typical useful life of seven (7) years and were observed to be in average condition.

7. Bocce & Shuffleboard

There are three (3) bocce courts within the recreational area. The courts are surfaced with compacted sand laid over a compacted cinder base and edged with 6"x6" pressure treated wood framing. Funding for the replenishment of the clay surface followed by replacement has been included in the schedule. Bocce courts have a typical useful life of fifteen (15) years, after which time they will require full reconstruction, depending on their condition. The unit cost for court recoating includes reconstruction of all significant cracks, crack sealing, clay replenishment, etc. The replacement cost includes a complete removal and replacement of the aforementioned system as well as the course substrate and associated components. The courts were observed to be in average condition.



Tennis Courts



Shuffleboard

The bocce court timber edging has a typical useful life of fifteen (15) years and was observed to be in average condition with minor weathering observed.

The bocce court awning has a typical useful life of fifteen (15) years and was observed to be in average condition.

Located behind the Clubhouse are eight (8) concrete shuffleboard courts. Shuffleboard courts have a typical useful life of thirty (30) years. The courts are original to the community and were observed to be in below average condition containing surface cracks and spalling.

The shuffleboard courts are provided with two (2) wood frame trellis structures set on concrete footings. The structures are constructed of 8"x8" posts supporting 2"x10" girders and 2"x10" joists. The components are in below average condition with surface splitting, loose nails, and minor rot observed. It is recommended that exterior wood products are weatherproofed every three (3) to five (5) years to ensure that premature replacement will not be required.

8. Putting Greens

The community is provided with two (2) putting greens. Putting greens have a typical useful life of fifteen (15) years. One putting green is located near the shuffleboard courts and was observed to be in below average condition. The second putting green is located near the Performing Arts Center and was observed to be in above average condition as it was recently replaced in 2015.



Putting Green

9. Benches

Composite benches are located throughout the community and were observed to be in varying condition. Composite benches have a typical useful life of twenty (20) years.



Benches

10. Exterior Illumination

Six (6') foot lantern fixtures on fiberglass posts are located along the walkway near the bocce courts. Exterior lighting has a typical useful life of twenty-five (25) years. The six (6') foot lantern fixtures were observed to be in average condition.

The tennis court lights were observed to be in below average condition with failing paint on the posts observed.

The site lighting throughout the community was observed to be in varying condition.



Walkway Lighting

11. Common Area Irrigation

The common areas of the Leisure Knoll at Manchester community are irrigated with an automatic sprinkler system. Water is supplied by the public water system. The replacement of clocks, timers and valves is included in this replacement cost. A line item has been added to fund for the replacement of the irrigation well pumps. Common areas include landscaping around Timberland Hall, Lakeside Lodge, The Performing Arts Center, and the Community Center parking areas and entrances.

12. Boathouse

A boathouse and boat ramp are located on the northern side of the lake. The structure provides seating and shelter for residents from the elements. It is constructed of 2"x6" deck boards, 2"x8" joists, and 2"x10" girders supported by wood piers. The gazebo, deck, and ramp were observed to be in below average condition. Surface splitting of boards, cupping, and general weathering were observed. The boathouse is provided with a three (3)-tab shingle roof that was observed to be in below average condition. Three (3)-tab shingles have a typical useful life of twenty (20) years. It is recommended that exterior wood products are weatherproofed every three (3) to five (5) years to ensure that premature replacement will not be required. The replacement cost includes funding for the deck components as well as the roofing. There are also aluminum boats which have a typical useful life of twentyfive (25) years and were observed to be in average condition.



Boathouse and Dock

13. Lake Amenities

Three (3) pond aerators are located in the lake. Water within the lake is replenished via a submersible pump located in the creek.

14. Roofing

The Lakeside Lodge building, Timber Hall building, Performing Arts Center, and gatehouses are roofed with architectural asphalt shingles. Shingles of this type have a thirty (30) year typical useful life. The roofing was observed to be in average condition.

The association offices and commercial building have corrugated fiberglass roofs that are scheduled to be replaced with architectural asphalt shingles. The roof was observed to be in below average condition.



Roofing Shingles

15. Siding

The Lakeside Lodge building, Timber Hall building, and Performing Arts Center are clad with vinyl siding. Vinyl siding has a typical useful life of forty-five (45) years. The siding was observed to be in average condition.



Vinyl Siding

16. Gutters and Leaders

Aluminum gutters and leaders located on the community buildings were observed to be in average condition. Gutters and leaders have a typical useful life of twentyfive (25) years.



Gutters and Leaders

17. Doors & Windows

The exterior windows and doors of the Lakeside Lodge, Timberland Hall, and Performing Arts Center were observed to be in average condition for their age. Windows and doors have a typical useful life of forty (40) years.



Exterior Doors

18. Interior Finishes

The Leisure Knoll at Manchester Association is responsible for the funding of the interior finishes of the recreational and office buildings. The replacement of interior finishes is based largely on the element's appearance and not its functionality.

- a) <u>Carpet</u> Low nap carpet exists in the Lakeside Lodge and portions of Timberland Hall. Depending on the quality of the loop and the degree of traffic, carpet has a typical useful life of eight (8) to eleven (11) years. The carpet was observed to be in average condition.
- b) Wood Flooring Hardwood flooring located in the Performing Arts Center and wood parquet flooring located in the sewing and painting rooms in Timberland Hall appeared to be in average condition with usual wear observed. The unit cost within the schedule funds for replacement of the parquet floors and resurfacing of the hardwood.
- c) Ceramic & Quarry Tile Ceramic floor and wall tile is located in all of the bathrooms of the recreational buildings and the ceramics room in Timberland Hall. Smaller 1" x 1" floor tile can be found in the men's and women's bathrooms with 4"x4" wainscot tile finishing the walls. Quarry tile is located in the entrances, hallways and sitting room of Timberland Hall. Ceramic and quarry tile have a typical useful life of thirty (30) years. The replacement cost includes removal of the old tile. The tile was observed to be in average condition.
- d) Suspended Ceiling The ceiling in the Performing Arts Center is finished with a (2'x2') or (2'x4'), acoustical suspended or "drop" ceiling. The suspended ceiling has a typical useful life of thirty (30) years and was observed to be in average condition.
- e) <u>Illumination</u> Illumination in the community buildings is achieved through various types of lighting including fluorescent troffers and high hats. Interior lighting has a twenty-five (25) year typical useful life. The lighting in the community buildings was observed to be in average condition.



Hardwood Floor

19. Interior Amenities

- a) Billiard Equipment The Clubhouse at Leisure Knoll at Manchester is provided with a billiard room. Funding for the three (3) billiard tables and equipment has been included in the study. Billiards equipment has a typical useful life of ten (10) years and was observed to be in below average condition.
- b) Exercise Equipment Equipment within the exercise room in the Timberland Hall is the responsibility of the Association. The exercise room is provided with treadmills, stationary bikes, universal stations, free weights, etc., which all contain a twenty (20) year useful life. The equipment was observed to be in average condition.
- c) <u>Kitchen Amenities</u> The commercial appliances in the Performing Arts Center kitchen were observed to be in average condition. The kitchen contains dishwashers, stoves, ovens, freezers, icemakers, food warmers, and commercial coffee urns. Stainless steel table tops, sinks, and exhaust hoods possess long useful lives and are expected to perform beyond the scope of this study. Only kitchen items with significant replacement costs have been included in the study.



Billiards Table

20. HVAC Systems

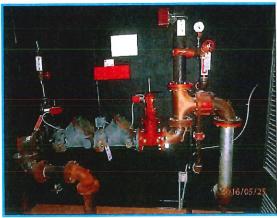
Heating throughout the recreational buildings is provided by separate gas-fired boilers in each building. Boilers of this type must be maintained on a regular basis to ensure they reach their full estimated useful life. Heat from the boilers is forced throughout the buildings utilizing blower units. Cooling of the community buildings is accomplished with exterior air conditioning condensers.



A/C Condenser

21. Fire Suppression System

Timberland Hall and the Performing Arts Center are provided with fire suppression systems. Components of these systems include the fire control panel, fire pump, jockey pump, panel relay, and the sprinkler heads. These systems must be periodically maintained and inspected by qualified personnel.



Fire Suppression Equipment

22. Security System

Lakeside Lodge, Timberland Hall and the Performing Arts Center are each protected by an alarm system. A line item has been added to fund for the replacement of each system's control panels.

23. Water Heaters

Hot water is supplied to the community buildings with electric water heaters, which possess a typical useful life of ten (10) years.



Water Heater

24. Community Vehicles

The Leisure Knoll at Manchester community utilizes vehicles in order to perform its daily maintenance functions. These vehicles were purchased at different times and possess varying degrees of usage. The remaining useful lives and estimated replacement costs are expressed in the schedule of reserve items.

Excluded Items

1. Residential Units

The individual dwelling units are a "fee simple" type of ownership. The replacement of all individual unit items is the responsibility of the unit owners.

2. Power Washing

Power washing is recommended to remove dirt and staining fungi from the buildings elevations and is deferred to a maintenance item.

3. Masonry Retaining Walls

Stone masonry retaining walls are located around the bar-b-q pit area. The retaining walls are expected to perform beyond the scope of this study. Repointing of the stone should be performed through the preventative maintenance budget.

4. Street Lights

Lighting located throughout the community right-of-ways is the responsibility of the local power company.

5. Furniture and Amenities

All interior furniture, amenities, and appliances such as chairs, couches, desks, tables, shelves, televisions, VCR's, copiers, fax machines, typewriters, computer stations, dishwashers, microwaves and refrigerators shall be replaced through the operating budget.

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Financial Analysis & Funding Plan

The estimated reserve amount effective as of October 1, 2016 has been projected into the future based on the existing funding plan and information provided by the Association. It is the opinion of FWH Associates, P.A. that the Association's current reserve fund status is *inadequate*. By 2018, the Association's reserve fund status will be adequate.

The following calculations are based upon the occupancy of 1626 units.

Previous Fiscal Year Summary:

The 2015 total annual reserve contribution amounted to: \$819,504.

Current Fiscal Year Summary:

The 2016 total annual reserve contribution amounts to: \$819,504.

Appendix A: Reserve Component Inventory

The replacement reserve schedule (Appendix A) lists all the capital expense items with useful life, estimated remaining useful life, quantity and current replacement value.

Appendix B: Yearly Expense Projection

The yearly expense projection schedule provides an annual synopsis of when items are to be replaced. It also depicts which items will require replacement more than once throughout the course of the thirty (30) year study.

An annual inflation rate of 2.5% is applied to the projected capital reserve expenses.

Appendix C: Funding Plan

The projected starting reserve balance (as of the Fiscal Year start date) was computed based on the existing funding plan and via information provided by the Association. The actual or projected reserve balance total presented in the Reserve Study is based upon information provided and was not audited.

The cash flow chart (Appendix C) estimates the total expenses to be spent annually over the thirty (30) year study period, and the yearly contribution.

The cash flow chart has been prepared to allow the Association to maintain a yearly ending balance at or above the ten (10%) percent minimum threshold of \$763,262, with the exception of 2016.

It should be noted that fiscal years 2016 and 2017 are critical years, as the ending balances are below or at the ten (10%) percent minimum threshold.

The reserve contributions increase through 2017, then remain steady thereafter.

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REPLACEMENT RESERVE COMPONENT INVENTORY

Effective as of October 1, 2016

Projected Reserve Balance: \$1,415,549

	Year Installed/ Replaced	Typical Useful Life	Estimated Remaining Useful Life	Estimated Quantity	Unit Cost	Current Replacemen Cost
em	керіасеа	Lile	USCIUI LIIC	Quality	Cint Cost	
ITEWORK						
aved Surfaces						
sphalt (2004 SVA)	1984	20	1	1 LS	\$92,891	\$92,89
Appleby Place (3621 SY)	1974	20	1	1 LS	\$17,831	\$17,83
Association Road (1156 SY)	2004	20	8	1 LS	\$81,442	\$81,44
Banbury Avenue (5003 SY)	2013	20	17	1 LS	\$97,986	\$97,98
Blackthorn Place (3228 SY)	2004	20	8	1 LS	\$10,881	\$10,88
Blythe Lane (696 SY)	1974	20	1	1 LS	\$64,631	\$64,63
Buckingham Cuts (3600 SY)	2004	20	8	1 LS	\$167,308	\$167,30
Buckingham Drive (north of Knoll) (9387 SY)	1974	20	1	1 LS	\$344,589	\$344,5
Buckingham Drive (south of Knoll)(21,120 SY)	1987	20	1	1 LS	\$14,725	\$14,7
. Carol Court (861 SY)	1999	20	3	1 LS	\$31,533	\$31,5
0. Cromwell Court (2100 SY)	1980	20	1	1 LS	\$156,955	\$156,9
1. Dorset Road (8151 SY)	2013	20	17	1 LS	\$21,895	\$21,8
2. Dorset Road (973 SY)			1/	1 LS	\$70,554	\$70,5
3. Durham Avenue (4200 SY)	1988	20	8	1 LS	\$41,503	\$41,5
4. Edgeware Place (2841 SY)	2004			1 LS	\$70,171	\$70,1
5. Elmswell Avenue (4614 SY)	2005	20	9		\$18,617	\$18,6
6. Esher Court (1200 SY)	2004	20	8	1 LS	\$70,733	\$70,7
7. Flintshire Terrace (4620 SY)	2005	20	9	1 LS		\$42,1
8. Frilham Lane (2100 SY)	2013	20	17	1 LS	\$42,138	\$76,2
9. Gladstone Avenue (4764 SY - no curb repl.)	2008	20	12	1 LS	\$76,243	
Greenwich Avenue (5055 SY)	1988	20	1	1 LS	\$109,636	\$109,6
1. Harrogate Lane (2607 SY)	1987	20	1	1 LS	\$59,266	\$59,2
2. Harrow Place (3024 SY)	1988	20	1	1 LS	\$55,730	\$55,7
23. Hastings Road (5487 SY)	2015	20	19	1 LS	\$165,814	\$165,8
24. Heath Lane (798 SY)	2008	20	12	1 LS	\$13,404	\$13,4
25. Hexham Court (531 SY - no curb repl.)	2012	20	16	1 LS	\$21,273	\$21,2
6. Kent Lane (744 SY)	1993	20	1	1 LS	\$16,638	
27. Kirkby Lane (4500 SY - no curb repl.)	1999	20	3	1 LS	\$65,790	
28. Knoll Circle (4944 SY)	2012	20	16	1 LS	\$147,177	
29. Lambeth Lane (1800 SY - no curb repl.)	2005	20	9	1 LS	\$26,737	
30. Leighton Lane (5034 SY - no curb repl.)	2004	20	. 8	1 LS	\$75,114	
31. Maidstone Way (3064 SY - no curb repl.)	2005	20	9	1 LS	\$44,904	
32. Mansfield Avenue (Hastings to Tarworth) (6549 SY - no curb repl.)	1988	20	1	1 LS	\$100,114	
33. Mansfield Avenue (Tarworth to Buckingham) (3374 SY - no curb repl.)	1999	20	3	1 LS	\$51,555	
34. Marlow Avenue (2892 SY - no curb repl.)	2009	20	13	1 LS	\$42,087	
35. Marston Row (2301 SY - no curb repl.)	1983	20	1	1 LS	\$34,484	
36. Newbury Row (2091 SY - no curb repl.)	2008	20	12	1 LS	\$30,429	\$30,
37. Normanton Avenue (3753 SY)	1987	20	1	1 LS	\$70,875	\$70,
	1983	20	1	1 LS	\$43,456	\$43,
1 1 1	1996	20	5	1 LS	\$45,176	\$45,
 Parking Lot (Lakeside Lodge) (3000 SY - no curb repl.) Parking Lot (Association Office) (6000 SY - no curb repl.) 	2004	20	1	1 LS	\$92,661	\$92,
40. Parking Lot (Association Onice) (0000 ST - 10 curb rept.)	1974	20	1	1 LS	\$43,100	
41. Parking Lot (Recycling Center) (2560 SY - no curb repl.)	1974	20	3	1 LS	\$42,041	
42. Parking Lot (Timberland Hall) (2760 SY - no curb repl.)	2016	20	20	1 LS	\$239,452	
43. Red Hill Road (11,535 SY - no curb repl.)	2008	20	12	1 LS	\$20,869	
44. Reigate Lane (1434 SY - no curb repl.)	1987	20	1	1 LS	\$22,528	
45. Romford Lane (1521 SY - no curb repl.)	2012	20	16	1 LS	\$105,645	
46. Sandhurst Street (5139 SY)	1980	20	1	1 LS	\$60,443	
47. St Paul Place (4068 SY - no curb repl.)	2004	20	8	1 LS	\$20,314	
48. Surrey Street (1380 SY - no curb repl.)		20	3	1 LS	\$58,597	
49. Tarworth Terrace (3837 SY - no curb repl.)	1999		1	1 LS	\$50,308	
50. Turnbridge Row (3210 SY - no curb repl.)	1988	20		1 LS	\$53,750	
51. Twyford Lane (3483 SY - no curb repl.)	1988	20	1 17		\$108,868	
52. Westgate Place (5379 SY - no curb repl.)	2013	20	17	1 LS	\$33,138	
53. Weybridge Place (2277 SY - no curb repl.)	2009	20	13	1 LS		
54. Wolverton Place (2556 SY - no curb repl.)	1983	20	1	1 LS	\$38,77	
55. Woodstock Lane (2991 SY - no curb repl.)	2009	20	13	1 LS	\$43,52	o \$43

REPLACEMENT RESERVE COMPONENT INVENTORY Effective as of October 1, 2016

Projected Reserve Balance: \$1,415,549

Item		Year Installed/ Replaced	Typical Useful Life	Estimated Remaining Useful Life	Estimated Quantity	Unit Cost	Current Replacement Cost
	ete Sidewalks						
57. C	oncrete Sidewalks [2012] (Hexham, Knoll, Sandhurst)	2012	30	26	24,330 SF	\$9.00	\$218,970
58. C	oncrete Sidewalks [2013] (Blackthorn, Frilham, Westgate)	2013	30	27	11,533 SF	\$9.00	\$103,797
	concrete Sidewalks [2014]	2013	30	27	26,353 SF	\$9.00	\$237,177
	concrete Sidewalks [2014]	2015	30	29	8,476 SF	\$9.00	\$76,284
	concrete Sidewalks [2016]	2016	30	30	7,261 SF	\$9.00	\$65,349
	ppleby Place	2015	30	29	120 SF	\$9.00	\$1,080
	ssociation Road	1974	30	1	160 SF	\$9.00	\$1,440
	anbury Avenue	2015	30	29	80 SF	\$9.00	\$720
64. B	lackthorn Place (paritally replaced in 2013)	1988	30	2	560 SF	\$9.00	\$5,040
		2004	30	18	120 SF	\$9.00	\$1,080
	llythe Lane	1974	30	1	180 SF	\$9.00	\$1,620
	duckingham Cuts	2004	30	18	160 SF	\$9.00	\$1,440
	Buckingham Drive (north of Knoll)	1974	30	1	240 SF	\$9.00	\$2,160
	Buckingham Drive (south of Knoll)	2015	30	29	80 SF	\$9.00	\$720
	Carol Court	1999	30	13	160 SF	\$9.00	\$1,440
	Cromwell Court	2015	30	29	2,880 SF	\$9.00	\$25,920
	Porset Road	1988	30	2	560 SF	\$9.00	\$5,040
	Ourham Avenue		30	29	142 SF	\$9.00	\$1,278
	Edgeware Place	2015 2015	30	29	520 SF	\$9.00	\$4,680
	Elmswell Avenue		30	29	200 SF	\$9.00	\$1,800
	Esher Court	2015			600 SF	\$9.00	\$5,400
77. F	Flintshire Terrace	2015	30	29 1	240 SF	\$9.00	\$2,160
78. F	Frilham Lane (partially replaced in 2013)	1983	30			\$9.00	\$2,144
79. (Gladstone Avenue	2008	30	22	238 SF	\$9.00	\$17,280
80. (Greenwich Avenue	2015	30	29	1,920 SF		\$21,600
81. F	Harrogate Lane	2014	30	28	2,400 SF	\$9.00	\$10,080
82. H	Harrow Place	2015	30	29	1,120 SF	\$9.00	
83. H	Hastings Road	2014	30	28	2,480 SF	\$9.00	\$22,320
	Heath Lane	2008	30	22	320 SF	\$9.00	\$2,880
85. H	Hexham Court (inlcuded in line 57)	2012	30	26	0 SF	\$9.00	\$0
	Kent Lane	2015	30	29	640 SF	\$9.00	
	Kirkby Lane	1999	30	13	225 SF	\$9.00	
	Knoll Circle (inlouded in line 57)	2012	30	26	0 SF	\$9.00	
	Lambeth Lane	2005	30	19	90 SF	\$9.00	
	Leighton Lane	2015	30	29	252 SF	\$9.00	\$2,265
	Maidstone Way	2005	30	19	153 SF	\$9.00	
	Mansfield Avenue (Hastings to Tarworth)	2015	30	29	327 SF	\$9.00	
	Mansfield Avenue (Tarworth to Buckingham)	2015	30	29	169 SF	\$9.00	
	Marlow Avenue	2009	30	23	145 SF	\$9.00	\$1,301
	Marston Row	1983	30	1	115 SF	\$9.00	\$1,035
		2008	30	22	105 SF	\$9.00	\$94
	Newbury Row	1987	30	1	2,560 SF	\$9.00	\$23,040
	Normanton Avenue	1983	30	1	141 SF	\$9.00	\$1,269
	Oakham Row	2016	30	30	577 SF	\$9.00	
	Red Hill Road	2008	30	22	72 SF	\$9.00	
	Reigate Lane	2015	30	29	76 SF	\$9.00	
	Romford Lane	2013	30	26	0 SF	\$9.00	
	Sandhurst Street (inlcuded in line 57)	1980	30	1	203 SF	\$9.00	
	St Paul Place		30	18	69 SF	\$9.00	
	Surrey Street	2004		13	192 SF	\$9.00	
	Tarworth Terrace	1999	30		161 SF	\$9.00	
106.	Turnbridge Row	2015	30	29			
107.	Twyford Lane	2015	30	29	174 SF	\$9.00	
108.	Westgate Place (inlcuded in line 58)	2013	30	27	0 SF	\$9.00	
	Weybridge Place	2009	30	23	114 SF	\$9.0	
	Wolverton Place	2015	30	29	128 SF	\$9.0	
	Woodstock Lane	2009	30	23	150 SF	\$9.0	
	Wycombe Way	1987	30	1	1,680 SF	\$9.0	0 \$15,12

REPLACEMENT RESERVE COMPONENT INVENTORY Effective as of October 1, 2016

Projected Reserve Balance: \$1,415,549

	Year	Typical	Estimated	Estimated		Current Replacement
<u>。这</u> 实是有一个人的,但是是一个人的。	Installed/ Replaced	Useful Life	Remaining Useful Life	Quantity	Unit Cost	Cost
tem Concrete Surfaces	Керійсьи	LIIC	OSCIUI LIIC	quantity	Orne Odde	0001
113. Concrete Sidewalks (Recreational Areas)	1974	30	1	13,352 SF	\$9.00	\$120,168
114. Concrete Driveway Aprons (over 3 years)	1974	30	1	1,033 SF	\$10.00	\$10,330
115. Concrete Driveway Aprons (over 5 years)	1974	30	1	7,482 SF	\$10.00	\$74,820
116. Concrete Driveway Aprons (over 5 years)	1974	30	1	7,482 SF	\$10.00	\$74,820
117. Concrete Driveway Aprons (over 5 years)	1974	30	1	7,482 SF	\$10.00	\$74,820
118. Concrete Driveway Aprons [2012]	2012	30	26	4,957 SF	\$10.00	\$49,570
119. Concrete Driveway Aprons [2013]	2013	30	27	1,492 SF	\$10.00	\$14,920
120. Concrete Driveway Aprons [2014]	2014	30	28	2,060 SF	\$10.00	\$20,600
121. Concrete Access Road (PAC)	1986	30	1	1,128 SF	\$10.00	\$11,280
122. Concrete Deck (Picnic Area)	2005	30	19	1,800 SF	\$8.75	\$15,750
123. Concrete Slab (Recycling Area)	1974	30	1	355 SF	\$8.75	\$3,106
124, Concrete Curb and Gutter	2007	45	36	4,500 LF	\$0.00	\$0
125. Concrete Curb and Gutter	2008	45	37	2,854 LF	\$0.00	\$0
126. Concrete Curb and Gutter	2009	45	38	3,537 LF	\$0.00	\$0
127. Concrete Curb and Gutter	2010	45	39	1,492 LF	\$0.00	\$0
128. Concrete Curb and Gutter	2011	45	40	1,911 LF	\$0.00	\$0
129. Concrete Curb and Gutter [2012]	2012	45	41	4,915 LF	\$0.00	\$0
130. Concrete Curb and Gutter [2013]	2013	45	42	2,695 LF	\$0.00	
131. Concrete Curb and Gutter [2014]	2014	45	43	2,807 LF	\$0.00	\$0
Recreational						
Swimming Pool						
132. 4' Aluminum Picket Fence (Pool)	2011	25	20	312 LF	\$44.87	\$14,000
133. 3' Vinyl Picket Fence (Pool)	2006	25	15	125 LF	\$32.50	
134. Pool Resurfacing (Marcite)	2016	7	7	1 LS	\$64,170	
135. Pool Coping (Brick)	2009	20	13	234 LF	\$25.00	
136. Concrete Pool Deck (Pavers)	2004	30	18	10,076 SF	\$17.25	
137. Pool Filtration System (Sand Filters and Aerator Pumps)	2016	15	15	1 EA	\$4,500	
138. Wisperflo Pool Pump	2016	15	15	1 EA	\$3,010	
139. Pool Cover	2016	10	10	1 EA	\$4,800	
140. Pool Furniture	2011	15	10	1 EA	\$3,027	
141. Pool Furniture	2017	15	16	1 EA	\$3,027	
142. Pool Canvas Canopy	2012	15	11	1 EA	\$2,492	
143. Wood Gazebo (Pool Area) - Roof Replacement	2004	30	18	1 EA	\$2,862	\$2,862
<u>Tennis Courts</u>					400.40	047.504
144. 10' Vinyl Chainlink Fence (Tennis Court)	2009	25	18	456 LF	\$38.43	
145. Tennis Court (Replacement)	1994	20	6	2 EA	\$46,000	
146. Tennis Court (Resurface)	2012	7	3	2 EA	\$14,643	
147. Tennis Court Nets and Posts (Replacement)	2012	7	4	2 EA	\$885	\$1,770
Bocce & Shuffleboard	2010	45		400 1 5	¢04.74	\$20 E00
148. Bocce: Timber Edging	2012	15	11	420 LF	\$91.71	
149. Bocce: Awnings	2011	15	10	1 LS	\$14,387	
150. Bocce: Resurfacing (Stones, etc)	2012	20	10	1 LS	\$11,162	
151. Shuffleboard Court (Tile Overlay)	2017	30	2	8 EA	\$1,500	
152. Pressure Treated Trellis Structure (Shuffleboard Court)	2017	15	2	2 EA	\$8,280	\$16,560
<u>Miscellaneous</u>	20/2	1r	11	410	#07 00¢	\$37,832
153. Putting Green	2015	15	14	1 LS	\$37,832 \$502	
154. Benches-Composite	2017	20	10	24 EA	\$50 <i>i</i>	
155. Benches	2012	20	10	26 EA	φ50.	± \$10,05
Exterior Illumination					A4.44	h h z r c
156. 6' Lantern Fixtures on Fiberglass Post	2011	25	20	5 EA	\$1,410	
157. 400 Watt MV on 30' Pole (Dbl Fixture)	1988	25	2	4 EA	\$4,19	
158. Site Lighting (Timberland, Lakeside, PAC)	2013	25	22	13 EA	\$66	
159. Site Lighting (Association Road)	2013	25	22	4 EA	\$673	
160. Site Lighting (Recycling Area)	2000	25	9	4 EA	\$60	
161. Site Lighting (Bocce Court)	2013	25	15	2 EA	\$67	3 \$1,34

REPLACEMENT RESERVE COMPONENT INVENTORY

Effective as of October 1, 2016

Projected Reserve Balance: \$1,415,549

item	Year Installed/ Replaced	Typical Useful Life	Estimated Remaining Useful Life	Estimated Quantity	Unit Cost	Current Replacement Cost
Miscellaneous						en principal de la companya de la c
162. Front Entrance Sign	2016	20	20	1 EA	\$4,729	\$4,729
Irrigation						
163, Common Area	2011	25	20	60 MSF	\$285	\$17,100
164. Common Area (over 5 years)	1974	25	2	506 MSF	\$285	\$144,210
165. Well Pumps	1974	25	2	2 EA	\$3,805	\$7,610
166. Well Pumps	2000	25	9	2 EA	\$3,805	\$7,610
167. Well Pump (Front gate)	2015	25	24	1 EA	\$3,805	\$3,805
Boathouse						
168. Fishing Gazebo, Boathouse, Dock, and Ramp (Roofing & Structural Comp.)	1974	20	2	1 LS	\$36,225	\$36,225
169. Aluminum Rowboats (Boathouse)	2000	25	9	3 EA	\$1,723	\$5,170
Lake Amenities	Market Constant	// () () () () ()				
170. Lake Pump (1 HP)	2017	10	11	1 EA	\$900	\$900
170. Lake Pump (1 HP) 171. Aerators (Fountain)	2008	10	2	1 EA	\$3,750	\$3,750
171. Aerators (Fountain) 172. Aerators (Bubbler)	2008	10	2	2 EA	\$3,750	\$7,500
	2000	10	aveni naca			
STRUCTURES						
Lakeside Lodge						
Exterior	0000	20	00	90 SQ	\$425	\$38,250
173. Dimensional Roof Shingles - (replace)	2008	30	22		\$0.00	\$0
174. Vinyl Siding/ Fascia & Soffit	2011	45	40	14 SQ 260 LF	\$8.86	\$2,304
175. Aluminum Gutters	2011	25	20		\$8.30	\$996
176. Aluminum Leaders	2011	25	20	120 LF	\$2,898	\$0
177. Double Doors, 1 Set (ACE)	2011	40	35	1 SET	\$0.00	\$0
178. Airlock Entryway (McBG)	2013	40	37	1 LS	\$825	\$0
179. Windows	2011	40	35	20 EA	φ020	ΦΟ
<u>Interior</u>	2010	44	7	0.445.07	\$58.95	\$142,364
180. Carpet	2012	11	7	2,415 SY 1 LS	\$31,050	\$31,050
181. Bathroom Renovations - ADA Compliance	2012	30	26	1 LS	\$6,210	\$6,210
182. Interior Lighting Fixtures	2012	30	26	1 LS	\$0.00	\$0,210
183. Interior Amenities Replacement Allowance (Furniture, A/V, Cabinets)	2012	40	36	1 L5	φυ.υυ	Ψ
<u>Mechanical</u>	2011	00	45	4 54	\$8,694	\$8,694
184. A.C. unit (5 Ton)	2011	20	15	1 EA	\$12,938	\$12,938
185. A.C. unit (6.25 Ton)	2011	20	15	1 EA 1 EA	\$16,697	\$12,930
186. A.C. unit (5 Ton)	2012	20	16		\$7,064	
187. Boiler- Propane (366 MBTU)	1995	35	14	1 EA 1 EA	\$3,372	
188. Alarm System Control Panel	2012	20	16	1 EA	\$3,372	φ3,31 <i>2</i>
Timberland Hall						
Exterior					0.105	AE0.075
189. Dimensional Roof Shingles - (replace)	2008	30	22	127 SQ	\$425	
190. Vinyl Siding/ Fascia & Soffit	2011	45	40	19 SQ	\$0.00	
191. Aluminum Gutters	2011	25	20	421 LF	\$8.86	
192. Aluminum Leaders	2011	25	20	210 LF	\$8.30	
193. Exterior Doors (3 Single, 6 Double)	2011	40	35	1 LS	\$0.00	\$0
194. Exterior Doors (7 Double)	2013	40	37	7 SETS	\$0.00	
195. Exterior Doors	2013	40	37	1 LS	\$0.00	
196. Windows	2011	40	35	17 EA	\$0.00	\$(

REPLACEMENT RESERVE COMPONENT INVENTORY Effective as of October 1, 2016

Projected Reserve Balance: \$1,415,549

	Year	Typical	Estimated			Current
· · · · · · · · · · · · · · · · · · ·	Installed/	Useful	Remaining	Estimated	Unit Cost	Replacement Cost
ltem	Replaced	Life	Useful Life	Quantity	Unit Cost	COSL
<u>Interior</u>	2010			500 OV	PEO DE	¢20.006
197. Carpet	2013	11	8	509 SY	\$58.95	\$30,006
198, Ceramic Tile (Bathrooms)	2009	30	23	745 SF	\$12.47	\$9,291
199. Ceramic Tile (Ceramic Room)	1987	30	3	375 SF	\$12.47	\$4,677
200. Parquet Flooring Replacement	2008	25	8	900 SF	\$9.89	\$8,901
201. Acoustical Ceiling	2002	30	16	6,600 SF	\$3.15	\$20,790
202. Quarry Tile	1987	30	4	1,120 SF	\$14.08	\$15,770
203. Bathroom Renovations	2009	30	23	1 LS	\$31,050	\$31,050
204. Interior Lighting Fixtures	1974	30	4	1 LS	\$18,113	\$18,113
205. Exercise Equipment	2001	10	2	1 LS	\$16,063	\$16,063
206. Exercise Equipment (Partial 2012)	2012	10	6	1 LS	\$3,312	\$3,312
207. Treadmill	2014	10	8	1 EA	\$2,610	\$2,610
208. Treadmill	2015	10	9	1 EA	\$3,260	\$3,260
209. Billiard Equipment	2016	10	10	1 LS	\$15,525	\$15,525
210. Common Area Renovation Allowance	1974	30	2	1 LS	\$103,500	\$103,500
Mechanical						
211. Split System - Exercise Room	2017	20	21	1 EA .	\$6,728	\$6,728
212. A.C. unit (10 Ton)	2005	20	9	1 EA	\$17,388	\$17,388
213. A.C. unit (15 Ton)	2005	20	9	1 EA	\$24,840	\$24,840
214. A.C. unit (7.5 Ton)	2008	20	12	1 EA	\$13,248	\$13,248
215. Boiler- Propane (450 MBTU)	1993	35	12	1 EA	\$26,910	\$26,910
216. Hot Water Heater (40 gal.)	2005	12	2	1 EA	\$1,346	\$1,346
217. Hot Water Heater: Kitchen	2013	12	9	1 EA	\$3,675	\$3,675
218. Dishwasher	2013	15	12	1 EA	\$531	\$531
219. Alarm System Control Panel	2009	20	13	1 EA	\$328	\$328
220. Fire System (Control Panel, Fire Pump & Controller, Jockey P & C)	2017	15	16	1 EA	\$5,279	\$5,279
Performing Arts Center		AT VI		No. of the Local Con-	Maria de la companya della companya	
Exterior Exterior						
221. Dimensional Roof Shingles - (replace)	2009	30	23	77 SQ	\$425	\$32,725
	2012	20	16	10 SQ	\$2,513	\$25,132
222. Built- Up Membrane Roofing - replace 223. Vinyl Siding/ Fascia & Soffit	2011	45	40	27 SQ	\$0.00	
	2011	25	20	390 LF	\$8.86	
224. Aluminum Gutters	2011	25	20	150 LF	\$8.30	
225. Aluminum Leaders	2011	40	35	1 LS	\$0.00	
226. Exterior Doors	2011	40		1 10	ψο.σσ	40
Interior Control of the Control of t	2008	30	22	444 SF	\$12.47	\$5,537
227. Ceramic Tile	2014	25	23	3,415 SF	\$25.00	
228. Hardwood Flooring (Replacement then Resurface)	2015	30	29	1 LS	\$1,092	
229. Floor Tile	2015	8	7	1 LS	\$1,167	
230. Carpet Tile (Dressing Room)			20	4,144 SF	\$18.73	
231. Acoustical Ceiling (Complete Repl. then Panels only)	2006	30	29	1 LS	\$31,050	
232, Bathroom Renovations	2015	30	29	1 LS	\$11,670	
233. Interior Lighting Fixtures	2006	30	29	1 LS	\$1,139	
234. Stage Lighting	2015	30				
235. Stage Flooring	2015	30	29	1 LS	\$5,175	
236. Stage Curtains & Furnishings	2015	30	29	1 LS	\$20,700	
237. Audio System	2015	30	29	1 LS	\$31,050	
238. Molding Replacement Allowance: Door/Ceiling/Floor Trim, Chair Rails	2015	30	29	1 LS	\$34,880	\$34,880
239. Kitchen Stove- Vulcan- Nat Gas - 10 Burner	2017	15	16	1 EA	\$6,236	
240. Cres-Cor Electric Food Warmer	1987	15	2	1 EA	\$6,728	
241. Coffee Maker - 200 cup	2004	15	3	1 EA	\$2,950	
242. Icemaker - Manitowac, Series 400	2012	15	11	1 EA	\$3,027	\$3,02

REPLACEMENT RESERVE COMPONENT INVENTORY

Effective as of October 1, 2016

Projected Reserve Balance: \$1,415,549

	Year Installed/	Typical Useful	Estimated Remaining	Estimated		Current Replacement
ltem	Replaced	Life	Useful Life	Quantity	Unit Cost	Cost
Mechanical		7				
243. HVAC Split System (1 Ton)	1987	20	2	1 EA	\$1,630	\$1,630
244. A.C. unit (5 Ton)	1987	20	2	1 EA	\$8,694	\$8,694
245. A.C. unit (40 Ton)	2005	20	9	1 EA	\$25,875	\$25,875
246. A.C. unit (7.5 Ton)	2007	20	11	1 EA	\$13,248	\$13,248
247. Boiler- Propane (500 MBTU)	1993	35	12	1 EA	\$26,910	\$26,910
248. Hot Water Heater (40 gal.)	2014	10	2	1 EA	\$1,346	\$1,346
249. Hot Water Heater (40 gal.)	2014	10	2	1 EA	\$2,691	\$2,691
250. Alarm System Control Panel	2009	20	13	1 EA	\$339	\$339
250. Alaini System Comio Panel	1987	15	2	1 EA	\$5,848	\$5,848
251. Stand Pipe Pump	2009	20	13	2 EA	\$2,675	\$5,351
252. Exhaust Vents (large)	2009	20	13	1 EA	\$807	\$807
253. Exhaust Vents (small)	2009	20	10	ILA	φοστ	φοσι
Association Offices & Commercial Building						
<u>Exterior</u>				10.00	640 5	£47.000
254. Corrugated Fibergalss Roof (repl. w/ dimensional ashphalt shingles)	1991	30	5	40 SQ	\$425	\$17,000
255. Aluminum Gutters	2011	25	20	90 LF	\$8.86	\$797
256. Aluminum Leaders	2011	25	20	45 LF	\$8.30	\$374
Renovation	*					
257. Office Computers	2012	10	6	1 LS	\$9,693	\$9,693
258. Office Furnishings	2013	12	9	1 LS	\$9,315	\$9,315
259. Interior & Exterior Renovation Allowance	1987	30	2	1 LS	\$27,945	\$27,945
Mechanical						
260. A.C. Condenser (3 ton)	2011	20	15	1 EA	\$7,038	\$7,038
New Office						
261. New Office (\$403,650)	2014	50	48	1 EA	\$0.00	\$0
Rear Gatehouse						
262. Dimensional Roof Shingles - (replace)	2003	25	12	3 SQ	\$425	\$1,275
263. Heat Pump	2012	20	16	1 EA	\$4,313	\$4,313
Front Gatehouse						
264. Dimensional Roof Shingles - (replace)	2008	25	17	3 SQ	\$425	\$1,275
265. HVAC Split System	2011	20	15	1 EA	\$1,630	
266. Emergency Backup Power Generator- nat gas	2017	20	21	1 EA	\$8,280	
ZOO. Emergency Backup Power Generator-Hat gas	2017	20				
MISCELLANEOUS						
Community Vehicles		- 10	-	454	#00 004	\$22,23
267. GMC Montana SV6 2500 Truck	2006	10	2	1 EA	\$22,231	
268. Pickup Truck	2013	10	7	1 EA	\$41,400	
269. Tractor	2012	10	6	1 EA	\$39,868	
270. Walker Mower	2007	10	2	1 EA	\$13,455	
271. Snow Blower	2006	10	2	1 EA	\$2,070	
272. Tamper - Sled Mount	2007	15	6	1 EA	\$3,623	
273. Salt Spreader	2010	15	9	1 EA	\$6,210	
274. Cement Saw	2007	10	2	1 EA	\$2,070	
275. 2011 Chevy Silverado K2500HD# 1GC2KVCG3BZ207618	2011	10	5	1 EA	\$43,988	
276. GMC 2500 Truck	2013	10	7	1 EA	\$41,400	
277. Chipper	2013	10	7	1 EA	\$26,393	\$26,39
278. 2014 Chevy Silverado K2500HD # 1GB0KVCG8EF131623	2014	10	8	1 EA	\$40,350	\$40,35
279. 2015 Nissan Versa Note S/PLUS/S # 3N1CE2CPXFL359552	2015	10	9	1 EA	\$17,275	
LI J. LU IU INISSAII VEISA NULE ON LUONO # UN TULLO I AI LUUSUUL	2010			'	4	
					TOTAL	\$7,632,6

Capital Reserve Study LEISURE KNOLL AT MANCHESTER

> YEARLY EXPENSE PROJECTION Effective as of October 1, 2016

										E	fective as o	October	1, 2010																	
	1	,	1		3	6	7	1	,			ע	13	14	33	2031	2032	2033	2034	2015	701	2017	23	2031	2540	25	7042	2043	2044	25
	2016 @ 2.50% 1,000			1,077	1,104	1,131		149				312		1.379	1413		1 445	1572		1,539	1533		1772	1.765	1 809	1854	1.900	1948	1956	7
WORK	e Zim Ilia	LVD	1,001	1011	1.104	1.191		-		-									CANCO		1000									
d Surfaces																44											-			
of sulaces																							_				_			_
Appleby Piece (3521 SY)	1 \$92	1163		1	1 1																\$152,213		_		-	_			-	1
Association Read (1156 SY)	517	831	-						1	31					- 1						\$29,218	_		-	_			\$158,632	-	-
Banbury Avenue (5003 SY)			1	1				808,262						_						-				_	_		-	3130,032		1
Blackthom Place (3228 SY)			1	1	1											1	\$145,461							-	_		-	\$21,1941		+
Blythe Lane (696 SY)	1		1	1				512,934			1			- 1			_		-	-	\$105,905		-	_	-	_		321,1341	_	1
Burkingham Cuts (3500 SY)	1 564	6311	1	1	1 1	1		2000								_					2100,900				_			\$325,883		1
Buckinsham Drive (north of Knoll) (9387 SY)							\$	198,877				-		_	_					-	\$554,649	_	_	-	_			9323,000		+
Buckingham Drive (south of Knoll)(21,120 SY)	5344		1	1																	\$24,129	-	-	-	-					+
Carol Court (851 SY)	514	7251																	_	-	\$24,128	_	554,225	_			-			1
Cromwell Court (2100 SY)			\$33,129)			1		1											-	\$257,189	-	524,269	_	_					+
Decrei Rood (8151 SY)	1 \$156	955	1	1											-					\rightarrow	2521,163	_	_	_	_	-			_	\vdash
Dorzel Road (973 SY)																	532,503			_	\$115,610				_		_			+
Durham Avenue (4200 SY)	570	554		1																	\$115,610	-	_	_	_	-	-	\$50.839		+
Edgeware Place (2841 SY)	1							549,334												-				-				230,023	\$140,095	+
Einswell Avenue (4614 SY)									\$85,496	1					- 1		_			_			_	_	_	_		\$35,261	21-4,422	+
Esher Court (1200 SY)	1		1	1				\$22,129			1															_	_	979,201	\$141,218	1-
Finishire Tennee (4620 SY)							70.00		\$36,181											_			_	_		-	-	-	3141,210	+
Friham Lane (2100 SY)				1													\$52,554			-			_		_	-				+
Gladatone Avenue (4764 SY - no curb repl.)										1	1 5	00,037								-	4175.000			_		-				+
Greenwich Avenue (5055 SY)	\$109	E35 I		1						1			- 1								\$179,652			_					_	+
Harropate Lane (2607 SY)	1 \$59		1	1					1												\$97,115	_		_		_			_	+
Harrow Place (3024 SY)	255	730	1	1								1									\$91,320					-	-			+-
Hestings Read (5457 SY)			1							- 1		- 1			1				\$258,613	_				_						1-
Heath Lane (796 SY)		\neg	1									17,588									_			_	_		_			+
Hexham Court (531 SY - no curb rept)																\$30,810											_			+
Kent Lane (744 SY)	\$16	638	1	1										- 1						!	\$27,254		\$113.263		_	-	_		_	+
. Kirkby Lane (4500 SY - no curb repl.)	1		\$69,12	11			- 1		1														\$113,203			_	-			+
Knot Circle (4944 SY)			1	1												\$213,156				-					_	-	-		\$53,350	st-
Lambeth Lane (1800 SY - no curb real.)			1						\$32,577						1					-			_			_	_	\$145,308	333,500	1
Leighton Lane (5034 SY - no curb rept.)	- 1							\$89,287												-		-				-	_	3140,000	\$39 E50	4
Maidstone Way (3054 SY - no curb repl.)			1				1		\$54,711				- 1						1 1	_	\$164,049			_	-	-	_	-	203,020	+
Mansfeld Avenue (Hastings to Tarworth) (6549 SY - no curb rept.)	1 \$100	1141	1			1		-													2194'043		555.756				-		_	+
Manofield Avenue (Tarworth to Buckingham) (3374 SY - no curb rept.)	1		\$54,16	51																-		_	355,/29	-		-	-			+
Marlow Avenue (2892 SY - no curb rept.)			1										\$55,6021											_		-	-			+
Marsian Rew (2301 SY - no curb repl.)	1 53	4841	1																		\$55,506	_			-	-	-		-	+
Newbury Row (2091 SY - no curb repl.)				1								539,926									\$115,137	_	_			-	-		_	+
Normanton Avenue (3753 SY)	57	675																_	1				-		-	-	-	1		+
Oaltham Row (2820 SY - no curb repl.)		456				1												-	-	-	\$71,205		_	_	\$81,710	-	-	-		1-
Parking Lol (Lake side Lodge) (3000 SY - no curb repl.)					\$49,865	1													1	-	\$151,635			_	1 401,710		-			+-
Perking Let (Association Office) (6000 SY - no curb real.)	\$9.	.661	T																-		\$151,835		_	_	_	-		-		+-
Parting Let (Recorfus Cepter) (2550 SY - no purb real.)	\$4	100	1	1																	2/0,023		\$72,377		-	-	_	1		+
Parking Let (Recycling Center) (2550 SY - no curb rept.) Parking Let (Timberland Hall) (2760 SY - no curb rept.)			\$44,17	01						1	1									\$352,800			312.311	_	-	-	-	1		+
Red Hill Road (11,535 SY - no curb rept.)			1	1															-	\$35Z,800 I			-	-	-		-	1		+
Reigate Lane (1434 SY - no curb repl.)						1						527,382							-	-	435.045		-	-		-	_		-	+
Romford Lene (1521 SY - no curb repl.)	\$2	528																	-		\$35,915		-	_		-	-	-		+
Sandhurst Street (5139 SY)	1									1						\$153,006			1 1		599.043	_	_	-		-	-	1		+
St Paul Place (4058 SY - no curb rept.)	58	.443									- 1								-		599,043	_	-	-	-	-	-	539.557		+
Suney Street (1350 SY - no curb rept)	1			1		1 1	1	524,147	- 1	T									1 1			_	\$100.879		!	1	-	1 233,337	1	+
Tarworth Terrace (3837 SY - no curb rept.)			\$51,56	31									- 1						-		****		5100,879	-	-	-	_	-		+
Tumbridge Raw (3210 SY - no curb rept.)	52	308				1							T								\$82,436		-		-	-	-	-	<u> </u>	+
Twyford Lane (3483 SY - no curb repl.)		750	1			1				. 1		1							1		\$85,075	_	_	-	-	1	-	1-	-	+
Westgate Place (5379 SY - no curb rept)	-					1											\$161,615		1	!			-	-	-	-	-	-		+
Weybridge Place (2277 SY - no curb repl.)				1									\$44,557						1				-				+-	-	-	+
Welverton Place (2556 SY - no curb rept.)	1 11	17751	i	1.		1	1														\$53,537		-	-	-	-	-	-		+
Woodstock Lane (2991 SY - no curb rept.)	4,	1	1		1								\$55.540				1						!		-	-	-	1	-	+
Weedstock Lene (2001 ST - no curb tept.) Wycombe Way (3141 SY)		784	· i	1	-			-									1	1	1 1	- 1	\$93,048		1	1	1	1	1	1		_

YEARLY EXPENSE PROJECTION Effective as of October 1, 2016

- Ac plants	2015	2017	Z018	2018	7,020	2021	2021	2023	2024	707.5	2028	- ZUZI .		. 2013	2030	_7031	201270	2033		2015	2035	. 2017.	2035		2540	2041	2012	1943	1,955	204
IFactor @ 2.50%		1.075	1.051	1.077	1104	1,131	1,150	1165	1,218	1243	1.240	1,312	1345	1379	1413	1.448	145	1.572	1,560	199	1633	1 640	1722	1.765	1809	1854	1.800	134	1.393	2.5
increte Sidewalks																						_	_	_	_	\$405,958			-	_
Concrete Sidewalis (2012) (Herham Kngli Sanshurst)	V		1																			_	-	_		3403,333	\$197,245			+
5. Concrete Sidewalks [2013] (Blackthom, Fritham, Westgate)													1											_		-	\$450,705	-	_	+-
9. Concrete Sidewalks (2014)		1															1	1							-	-	3430,705		\$152,301	+
D. Contrele Sidewalks (2015)	-																1	1							-	-			\$102,301	\$13
1. Concrete Sidewalks (2015)		1	_														1									-		_	\$2,156	31.
1. Condicte Sideways (2010)				1									1											_	_	1			\$2,150	+
2. Appleby Place	\$1,440	1	-	i –		-							1	1										1						-
3. Association Road	31,740	1	_	i				i									1						1						\$1,437	+-
4. Banbury Avenue		1 \$5,166	-	-	_						1		1				1									1	1			-
5. Blackshom Place (panially replaced in 2013)		33,100	-	-									1					\$1,643						1						+
5. Blythe Lane	\$1,520		-	+	_		_					1	1											1	1					_
7. Buckingham Cuts	\$1,620	-	-	-	_		-	-			_	_			-			\$2,191						1	1					
Buckingham Drive (north of Knoti)		-	-			_	-		_	_	_	_	-												T	1			V	
9. Buckingham Drive (south of Knoll)	\$2,160	1								_	_	-	-	-			1												\$1,437	4
D. Carol Court			_		_		_			_	_	-	\$1,937	_			_											200	1000	
1. Cromwell Court										_	-	-	31,231	-	_	_	-	-					10		1	1			\$51,749	1
2. Darsel Road				1													-	_		-		_	_			1				1
3. Durham Avenue		\$5,166		1				1				_	-	_	_		-	-	_	-		_	-	-	-	1			\$2,552	1
4. Edgeware Place								1					1						_	_		-	-	-	 	i			\$9,344	
5. Elmont Avenue		1	1	1			l	1														-	-	-	-	-	-		53,594	4-
6. Esher Court				1			1	1			l												_	-	-		\vdash	_	\$10,781	4-
7. Ffrishire Tenace							1						1											-	-	-	-		310,701	+
8. Frihum Lane (partially replaced in 2013)	\$2,150	1	1	1									1											-		-	_	_		-
9. Gladetone Avenue	92,100	+	i -					1			1		1									53,601		1	1	1	1 1		\$34,499	+
	_	<u> </u>	-	1	_	_	1	1							1		1			1	1		1		1				534,499	4
0. Greenwich Avenue		1	-	-	_		i	i			1	1	1	1			1	1	1				1	1	_	1		\$42,072		_
1. Harrogale Lane		-	-	-	-	_	_	1		_	_		1				1												\$20,125	2
2. Harrow Place		-	-	1	-	-	-	_			İ	1		i –									1	1				\$43,475		-
3. Hastings Road			-		-	-	-	-			-	-	-	i			1					\$4.837	T		7	1				
4. Health Lane	1	-	-	-	-	-	-	-	_	_	-	_	+	i 	_		i			1		-	1	1	1	1				
5. Hexham Court (inlouded in line 57)		1	-	_		!	_	!	_	-	-	-	+	i -	-	<u> </u>	i -			1	1		1	$\overline{}$		1			\$11,500	3
6. Kent Lane				_	-	-	_	-		_	-	-	52.723	-	-		_	-					1		T					Т
7. Kińdy Lane			1	1							-	-	\$2,123		-	_	-		_		-	1	1	1	-					\top
18. Knot Circle (nlauded in line 57)		1	1			1		1				_	-	-			+		\$1,263	-	-	_			+	_				1
9. Lambeth Lane		1			1						_	1	-		-	_	-	-	31,203		-	-		-	-	1			\$4.523	3
10. Leighton Lane		1	1	1		1						-	1			_	-		10.150	-	-	-	-	-	1	-			-	1
Meldslene Wey	1	T	1					1										_	\$2,150	-	-	-	-	+		1	_		\$5,884	4
2. Mansfeld Avenue (Hastings to Terworth)		1		1	1		1	1			1			-			-	-	_	-	-	-	-	-	-	+			\$3,031	3
3. Mansfeld Avenue (Terworth to Buckingham)					1	1	1	1	-		1									-		_	\$2,240	-	-	-	-	-	42,05	4-
34. Marica Avenue		1	1					1	1			1	1	1			-			-		-	32.240	-	-	-	-			+
25. Mardon Row	\$1,035	51	T .	1			1			1		1		1	1							-	1	!		!	-		-	+
5. Newbury Row	41,011	1	†	i		1		1			1	T	1	1			1	1		1	1	\$1,580	11	1	1	1				+
75. Nemanlan Avenue	523.040	ni .	1	T		1	1	1			1	1	1	1	1		1			1	1		1	1	_	1	-			+
	\$1,269			-	-	+	1	1						1					1	1			1	1						-
35. Oaltham Row	31,203	-	-	+		-	1	1-	_	-	_		1				T				1			1		-				
99. Red Hill Road		-	-	-	-	+	_	-	_	 	-	1	1	1			1		1	1		\$1,084								_
100. Reigste Lane		-	-	-	-	-	_				1	T	1	1			1					1	1	1			1		\$1,35	.7
101. Romford Lane			!	-	-	-	-	-	-	-	+	+	1	 		_	i		1	1	1	1	1	1	1	1		1		
ID2. Sendhurst Street (inlauded in line 57)	1		-			1	-	-	_	-	-	-	-	1	_	-	-	1				1		1	1					7
103. St Paul Piace	\$1,831	11	-	_	_	-	-	-	_	-		-	-	+	_	-	-	\$945	-	1	1			1					1	T
04. Surrey Street		1	1	1			_	-	-	-	-	-	5232	-	-	-	+	9243	-	1	i	1	1	1		1				T
105. Tarrenth Terrace										_	-	-	1 52.32	-	-	-	-	-	-	1	-	_	† -		1	1			57.88	4
106. Tymbridge Row	1	1	1	1		1		1		1	1	1		-	-	!	-	-	-	1	-	-	+	+	1	1	1	1	S3.12	
107, Twyford Lane			1	1			1						-	1	1	-	-	-	-	-	-	-	-	-	+	-	1	i	1 33,16	1
103. Westgate Place (inlauded in line 55)		1	T	T	1	1	1	1		1			1	_			-	-		-	-	-	\$1.764	-	+	+	1		_	+
103, Westgate Place (secused an are 30)	i		1	1		1	1						1			1			-	1		-	\$1,764	<u>-ب</u>	+	-	+	-	52.29	=
10. Welverton Place		1	1	_										1							1	-	-	1	1	-	-	-	\$2,69	4
110, Welverton Pisce 111, Weedglock Lane	1	1	1	1	1	1		1	1		1		1	1	1	1	1	1	1		1	1	\$2,317	/1	1	1	1		-	+

Capital Reserve Study LEISURE KNOLL AT MANCHESTER

YEARLY EXPENSE PROJECTION Ellective as of October 1, 2016

											Filedive																			
		,	,		5		7		,	10	11	12	13	14	15	16	17	16	19	20	21	22	23	74	25	26	27	28	2046	2045
established All Shart 200	2016	2017	2010	2015	2020		- 2022	2023	2011	2075	. 2028	. 2027	2.07.8	2023	2000	2031	70.32	1,522	1.550	2035	1 538	1 650	1772	1.765	1803	1 854	1,900	2043	1,996	2045
Fader P 250%	1,000	1.025	1.051	1.077	1104	1.131	1.150	1183	1218	1249	1.240	1,312	1345	1379	1413	1,40	1445	1.572	1.550	1,209	1.0.13	1.020	114	1.763	1843	164	1,200	134	1211	
orrete Surfaces		100	10000																									$\overline{}$		
3. Contrele Sidewalks (Recreational Areas)	\$120,168														!							-				_		-		
Concrete Driveway Agrent (over 3 years)	\$3,443	\$3,529	\$3,618							1				1						-							-			
S. Concrete Driveway Agrens (over 5 years)	\$14,954	\$15,338	\$15,722	\$16,115	\$16,517																	_	-			_				_
16. Concrete Driveway Agrons (over 5 years)	\$14,954	\$15,335	\$15,722	\$16,115	\$16,517														-				_	_		-	-			
17, Concrete Driveway Aprons (over 5 years)	\$14,954	\$15,335	\$15,722	\$16,115	\$16,517														_			_				591.900	-	_		-
18. Concrete Driveway Acrons (2012)				-	775																					471,500	\$28,352	-		_
19. Controlle Driveway Acrons (2013)																				-				_			320,3321	540,1251		
20. Concrete Driveway Agrons (2014)																		!		-	_			-		-	_	340,1251		
21. Concrete Access Road (PAC)	\$11,280																		*****			-		-	-			-		
22. Concrete Deck (Picnic Area)																			\$24,565	-				-	_	1		-		_
23. Controlle Slab (Retryding Area)	\$3,105																						_	-			-	_		_
24. Concrete Curb and Gutter																								-	_		_	_		
25. Concrete Curb and Gutter												1												_	_	1	\leftarrow		_	_
25. Concrete Curb and Gutter	1	1												1										_			-			
27. Concrete Curb and Gutter																								-		-	-		_	_
28. Concrete Curb and Gutter				1																		_	_	-		-	-		_	-
23. Controls Curb and Gutter (2012)								1														-		-		-	-	\rightarrow		
20. Controls Curb and Gutler (2012)	1												1100														-		_	_
		1	_					$\overline{}$					(1000)	1				1												
31. Centrele Curb and Gutter (2014) Recreational		2 15 2		54475	- VI. 43	- A - 1 - 5	- C - SW	134 131 A	e	4 14 14	S 1 11	* . a.t. to		14.43	20.00	- 34 -50	17.7	36.4 5	-	1200	2012-01	-5-43-5	A	2 24		4 : .				
COCCONDITAL				Chic.	77.7.6	A 44 11 11	A 1117.3		-2	There is																				
wimming Pool			_	_	1			_	1			1								522,381		1								
32. 4' Aluminum Pickel Fence (Pool)			-		_		-	-	_	-		1	_		55.740									1						
33. 3' Vinyl Pickel Fence (Pool)			-	-	-	-	574 418	-				1		\$85,459							\$105,150					1		\$124,990		
34. Peol Resurfacing (Mascite)			-	-			917,710	-	-	-	-		\$7,855		1															
35. Peel Ceping (Brick)		-	-	_	-	-	-	-	-	-	-	-	41,000					5264.474							1					
36. Contrete Pool Deck (Pavers)	-		_	-	-	-	-	-	-		-	1			\$5.358															\$9,20
37. Pool Fitration System (Sand Fitters and Aerator Pumps)	_	_	_	-	-		-	-	-			1			54.253				1							1				\$6,16
38. Waperto Pool Puro	_			-	-	-	-	-	-	\$5,995	-	•	_		1					\$7.674				T	1	1	1			\$9.83
39. Pool Cover				-	-	-	-	-	_	\$3,781		-	_	1	i			-							\$5,476					
40. Pool Furniture		_	-	-	-	-	-	-	-	42,101	<u> </u>		-			\$4,355	1									1				
41. Pool Furniture			_	_	-	-	-	-	-	1	\$3,190	-	_												1	\$4,621				
42. Peol Canves Cancoy				-	-	-	_	-	-	-	33,120	-	_	-				\$4,355							1	1				
43. Wood Gazebo (Pool Area) - Roof Replacement							_		_		-	-	_									-	-							
ennis Courts			_	_	_	_			_	_	-	1		T	1			\$26,665	1					T	1			-		
44. 10' Vinyl Chainlink Fence (Tennis Court)		_			-	\$104 090	-	-	-	-	-	-	_		1		-									1 \$170,563				
45. Tennis Court (Replacement)					-	2104,030	-	-	-	-	-		\$39.386	1		_				545.818		_								
45. Tennis Court (Resurface)			\$30,769			-			-	_	\$2,265	-	332,300	-		_		52 693	1				i -		\$3,201					
47. Tennis Court Nets and Posts (Replacement)				\$1,908	<u> </u>			1			37,200			_				01,000	_			-			-					
Bocce & Shuffleboard				_	-	_		-	_	_	1 \$49.309	_	_	1		_				1			T	1	1	571,414				
48. Bocce: Timber Edging		1			_		-	-	-	\$17.957		-	-	-		-	-								\$26,021	11				
49. Bocce: Awnings		1		1	-	_		-	-				-	_	-	-		_	-				i			1				522,8
50. Bacce: Resurfacing (Stones, etc)					-			-	-	513,940	-		-	-		_	-	-				1	i –	-	1					
51. Shuffeboard Court (Tife Overlay)		\$12,300					_	-			-		-	_		-	574,583	_	-	-	_	-	1	1	1	1				
52. Presture Treated Trelis Structure (Shuffeboard Court)		\$15,974	1				1			1				1			364,333		_				_	-	-	•	-			
Ascellaneous														1 (12.452	_	_	1		1	1	1	T -	1	1	1	1			\$75,531	1
53, Putling Green						1			-				_	\$52,152				-	-	-	-	-	<u> </u>	-	_	+				524.6
St. Benches-Camposite						1		_	_	\$15,052		-	_	_	-	_		-	-			-	_	1	-		1			\$26.7
55, Benches	Vincent .			1					1	\$16,306			_		1						-	4	<u></u>	4	-	+	-	- Partie	1 -1 1 -	
rtation likemination		-		-		-				1.76			1	111		S		1		-		-		-	-	-	-	-		1
155. & Lantern Fidures on Fiberolass Post			1		T		1	1					1				1			\$11.270	1	-	1	-	+	+	\$31,919	-		-
157, 400 Wall MV on 30 Pole (Dbl Fidure)		1 \$17,217	1		1000	1	1			1	1	1		1								1	-	-	-	-	4 331,519	-		1-
		1	1	_							1	1		100	1		1		-			\$14,515		-	-	-	+	-		-
151, 400 Wall My on 30 Pole (Dol Figure)																														
158. Ste Lighting (Temberland, Lakepide, PAC)		-	-	-	-	1		1			1	1	1				1	_				\$4,520	4		-	-	-	-	-	-
157. 400 wat MV en UP Pale (Ush ridurt) 158. Ste Liphling (Temberland, Lakepide, PAC) 159. Ste Liphling (Accordation Read) 160. Ste Liphling (Accordation Read)				-		-	-	-	\$2,951			-	-	-	\$1,901		-				-	\$4,520								

YEARLY EXPENSE PROJECTION Effective as of October 1, 2016

											Effective	as of Octob	per 1, 2016																	
		,					,			10	11	12	13	14	25	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	2016	2017	2018	2015	2020	2021	2022	2021	2024	2025	2028	2023	2028	2029	2010	2031	2012	2011	2004	2015	2005	2037	2011	2018	2340	2041	2042	2043	2544	204
(Fador @ Záris		1 075	1.051	1.077	1104	1.131	1,150	1.143	1,218	1245	1240	1,312	1.345	1379	1413	1,443	1445	1572	1,550	1.539	1533	1.650	1772	1.765	1309	1 854	1,900	1948	1995	7.04
liscellaneous			-		9-1-1-1				- E-1/4	1400	(T) (1)		1000		10000	(1000)														
62. Frent Entrance Sign		1	1	1								1				- 33.00				\$7,550		The second								
		1,	1-1-1-1	THE PARTY	-	7		e se trategia					T TOTAL PER LA				-		-	Arter or a										
rigation	_	_	_	-	-	1	-	-	-	-	-	$\overline{}$			-	_				\$27,337										
163. Common Area		\$79.563	F10.300	\$31,060	621.820	\$32,632	-			_				-			1								10000	1	\$54,808	\$55,178	\$57,583	\$59,0
164. Common Area (over 5 years)			\$3,990		331,630	332,032		-	_					_			<u> </u>		_						1		\$7,231	57,411		
165, Well Pumps		83,700	1 43,220	-	-	-		-	\$9,272	_		-																		0
165. Well Pumps		-	-		_	-	-	-	40,612	_		-					1		_	1	- 0			55,714	1					
167. Well Pump (Front gale)	10.75							_		_	_					_	-							-		attended and	-	-		1000
Boalhouse					,			117.4			_		_	_	-	_	_	_	_	1	_	\$60,843	-		1	1				
168. Fishing Gazebo, Bosthouse, Dock, and Ramp (Roofing & Structural Comp.)		\$37,131	_	1									_	_	_		-	-	-			200,043	-	-	-	 				
169, Aluminum Rowboats (Boathouse)				1					\$6,223										_					-				2 12 2011		-
Lake Amenities		341								.1.		-			-	-			-		\$1.475			-		4-10			-	_
170. Lake Pump (1 HP)							1				\$1,152						-		-		\$1,475	40.000	-	-	-	+	1			_
171, Aeralors (Fountain)		53,844										\$4,920					-					\$6,295 \$12,597	1	-	-	-	+			_
172. Aerolors (Bubbler)		\$7,685		1		1						59,841										\$12,537		_	_					_
STRUCTURES	-	diameter and		Value	-		15 S	NAME OF																						
Lakeside Lodge																														
Exterior																											27			
Exterior 173. Dimensional Roof Shingles - (replace)	_	1		T -	_	T -	1										T					554,244								
173. Dymensional Roof Shingles - (repute)		-	-	+	-	-	1	_												1				1		1				
174. Visyl Sidnoy Fascia & Sofit 175. Aluminum Gutlers		-	-	-		-	-	_	_	_								1		53.683			1			1				
175, Aluminum Gutters 176, Aluminum Leaders		-	-	-	-	_	_	_			_									\$1.592				\neg		1				
		-	-	_	_	-	-	-	_	_	_		i -	1	_		1		1	1			1	1	1	I				
177. Double Doors, 1 Set (ACE)		-	-	+	-	-	-	-	_	_	_		-	-			1						Ť –		_	1				
178, Airlack Entryway (McBG)		1	-	-	-	-			_	-	_		-	1		-	1	_					1			1				
179. Windows				1		1																_				-				
Interior		-	,		_	_	\$165,099		_	_	_		1	1	_	_	1	\$216,624	T	T 1			1	1	T	T			5284.230	
180, Carpel			!	<u>!</u>	-	-	1 \$160,023	-	_	_	-	-	-	-		-	-	4210,024	1	1	_		i	1	i	\$57,565			1	
181. Bathroom Renovations - ADA Compliance		-	-	-			-	-		_		-	-	-		-	-	-	-			_	1-	_	_	\$11,513				_
162. Interior Lighting Fixtures			-		-	-	-	_	_	-		-		-	-	-	1	-	-	1			1	_	1	1			1	
183. Interior Amenifes Replacement Allowance (Furniture, AV, Cabinets)		1				1								1			1		-	-				-	-				-	-
Mechanical					,								_		1 \$12.284	_		T	_	1			T	1	T	_	1	1		
184, A.C., unit (5 Ten.)			1				_	1				-	!	!	S18.280		-	-	-			-	-	+	-	-	-	-	i —	-
185, A.C. unit (6.25 Ton.)		1			-								-		\$10,200			-	-			_	+	+-	-	+	_		-	
185, A.C. unit (5 Ton)		1	1	1			_						_			\$24,182	-	_	-			-	-	-	-	-	-		_	-
187, Bollet-Propane (366 M3TU)													-	\$9,738				-	-				-	-	+	-		-		-
188, Alarm System Control Panel																\$4,834		J	_				-		-	F 10 To 10 To 10			112250	
Timberland Hall				I Tark	8-12"	7. 3 .	34 - 57	2-17 m	1-25	11	77 .				25	400	in all	9-	16.7 36		4 - 7 - 7	-		7.	200	- Y-1		127-2	1000	-
Exterior				-																				_	_					,
189, Dimensional Roof Shingles - (replace)	T T	1	1			1	1	1		1			1		1				1			\$90,655	il		1	1	-			_
190. Visyl Sidnal Fascia & Sofil		1	1	1			1							1		1										1	-	1		
191. Aluminum Gullers		1	1	1		1								1		1	1			\$5,953			1	1	_					-
191. Auminum Leaders		1	1		1	i	†													\$2,785			1						1	
193, Exterior Doors (3 Single, 6 Double)		1	†	1		†	1	1									1			1				1					1	
193, Extenor Doors (7 Double)	-	1	+	+		1	1	†		i –	i	T	1				1		1	1			1	1	1	1		1		
194 Estensi Dosis (i Devote)	-	-	+	_	_	-	1	1				1	1			1	1		1				1			1				
195. Exterior Doors	-	+	-	-	-	-	1-	-	-	1	<u> </u>	1	 	1		1	1		1				1			1			1	
195. Windows		1		1	1	1	1			1		1	•				,	_					_		_					

YEARLY EXPENSE PROJECTION Effective as of October 1, 2016

	1	2	3	4	3	6	7	2023	2024	2025	2028	2027	2028	2023	2030 .	2031.	2032	2013	2034	2035	211 2015	2037	7011	7035	2040	2041	7042	2543	2044	20
m	2016	2017.	2018	2018	2020	2021.	1.160	1163	1.218			1,312				1.443	1.445	1522	1.560	1.500	1.633	1 630	1722	1.785	1809	1.654	1,900	1.948	1.996	2.0
Fador @ 2.5%	1,000	1.025	1.051	1.077	1104	1.131	1.160	1113	1.210	1245	1.220	1.312	1,345	13/19	1413	1,040	1.40	1922	1,200	1,000	1,000									
denor																			\$45,798											\$51
97, Cerpel								\$35,657			_		_				_		240,722				\$15,996					-		1
98, Ceramic Tile (Bathrooms)		1								_					-			_	_		-		210,000	-				-		
93. Ceramic Tile (Ceramic Room)		1	\$4,914														_			_							_	-		-
00. Parguet Flooring Replacement						1		\$10,550	- 1		- 1											_								-
101. Acoustical Ceiling				1												\$30,110										-	-			-
02. Quany Tile				516,952					- 1	- 1	- 1		- 1	1		1					-									-
03. Bathyporn Renovations			7							- 1		- 1	- 1		- 1	- 1		- 1	- 1				\$53,455							-
04. Interior Lichting Fixtures	1	1		\$19.505		1			1			1		- 1	- 1	1		1		1	100			1						-
05. Exercise Equipment	1	\$16,465		1		1				1		521.076			1	- 1		1				526,979	0	1						_
		310,403	_	_		53.747								1		\$4,797										\$5,140				_
06. Exercise Equipment (Partial 2012)		-	-	-	-	93,141	_	\$3.102	-			-						53 971	-							1		\$5,084 (
07. Treadmil	_				-			33,102	\$3,972	_				-				- 44,411	\$5,0541										\$6,509	1
OS. Treadmill	_				-	_	_	_	33,812	\$19,359	-		_	_	-				45,000	\$24,819										5
09, Billard Equipment	1	1		1	-	1			-	\$12,355	-		_		-					42.24.0				1		i				1
10. Common Area Renovation Allowance		\$105,038																						_						_
Aechanical																_			_		\$11,024	1	_	1		1				T
11. Sold System - Exercise Room						1															\$11.024			-	_	-	-		\$34,715	1
12. A.C. unil (10 Tan)		1			1	- 1			\$21,185	1			1											-					\$49.593	
13. A.C. unit (15 Tan)	1								\$30,265									1						1					549,393	4
14. A.C. unit (7.5 Ton)	1	1								- 1	- 1	517,363	- 1	1	- 1			1												-
15. Boiler-Propane (450 MBTU)												535,303														1				
15, Bollet-Propose (430 MS10) 16, Hot Water Healer (40 gal.)	_	\$1,379			_									51.855										1		1 52,494				-
16. Hol Waler Healer (40 gal.)	-	41,373						_	\$4.478		-			4.,000							\$5,022			1						
17. Hot Waler Healer, Kitchen		-	_	_		_	_		31,410		_	5697 1				_										1	\$1,009			
218. Dishwasher	-					_					-	2031	\$441	-					_	1				1		i -		1		\top
219. Alarm System Control Panel											_	-	*****			57.645				-				1		1				
220. Five System (Control Panel, Fire Pump & Controller, Jackey P & C)			1															M1 4 5 7		555 81 8	1 7 June 1	877CS	D *2* **	D.A.	5.36				-	-
Performing Arts Conter	200	2										1.15	A	200	Start !		AL PART	Comme	2.50	23 7 25	720777	2. 4.7	that were			1."				
Topolog																			_			_		_						1
221. Dimensional Roof Shingles - (replace)		I		1						- 1	- 1											_	\$55,338			-	_			+
222. Buit- Up Membrane Roofing - replace	1	1		1		1				- 1	1					\$35,358	1													+-
223. Varyl Siding/ Fascia & Sofit	T	1	1							1					- 1									1						1
	1	1	-	_	_															\$5,524				I		1				
224. Aluminum Gutters	-		_	-	-		-	-		-										\$1,990		-		1						
25. Aluminum Leaders																	_	-		\$1,990				1	-	-				F
725. Alaminum Leaders 726. Exterior Doors		-																		\$1,990										E
725. Alaminum Leaders 128. Extenior Doors raterior																				\$1,990		50 200								E
25. Alaminum Lauders 28. Erteiner Doors naterior 27. Ceremio Tie																				\$1,990		\$9,299								E
725. Alarmium Laders 726. Ertenbe Deur riterior 727. Cerumic Tie 728. Hurdwood Fisonina (Replacement then Reauface)																				\$1,990		\$9,299	\$145,975						Ø 180	
225 Alexinom Laddes 225 Entrino Deur nterior 227, Cursanie 14e 228 Hardenod Flooding Replacement then Resurface) 228 Hardenod Flooding Replacement then Resurface)																				\$1,990		\$9,299	\$145,975	1					52,180	0
25. Administratives 25. Exterior Doors statist 22. Cutsmin 114 28. Hardwood Flooding (Replacement then Resurface) 29. Event 114 20. Event 114							\$1,353								\$1,649							\$9,299		1					52,180	0
25 Adminimut Lakérs 26. Estelain Daora sterios 27. Cerumi Tota 28. Hudewood Fluxing Replacement than Resurface) 28. Hudewood Fluxing Replacement than Resurface) 29. Flux II file 30. Created The Obsertion Room)							\$1,353								\$1,649					\$1,990		\$9,299	\$145,975	1						F
25 Administrators 26 Estaine Dura Settinie Dura Settinie Dura Zettinie D							\$1,353								\$1,649					\$124.095		59.299	\$145,975	1					\$2,180 \$61,991	F
75 Adminion Lactors 25 Entaine Deurs Set Entaine Deurs Set Fentaine Deurs 25 Tennanis Ite 27 T							\$1,353								\$1,649							\$9,299	\$145,975	1					\$61,991	1
75 Announ Leifers 56 Edition Davis 18 Edition Davis 19 Ed							\$1,353								\$1,649					\$124.095		\$9,299	\$145,975	1					\$61,991 \$2,273	1
75 Abrainna Larders 26 Entain Days Abrainna Larders 27 Carminel Its 28 Larders Days 28 Larders Days 28 Larders Days 29 Larders Its 20 Larders							\$1,353								\$1,649					\$124.095		\$9,299	\$145,975	1					\$61,991 \$2,273 \$10,332	1 3 2
25 Automot Lectors 15 E. Clestoir Diore Stories Stories Common Sto							\$1,353								\$1,649					\$124.095		\$9,299	\$145,975	1					\$61,991 \$2,273	3 2
75 Annown Lefern S. Entire Deva S. E							\$1,353								\$1,649					\$124.095		59,299	\$145,975	1					\$51,991 \$2,273 \$10,332 \$41,327 \$61,991	3 2 7
25 Annount seriors (E. flexion Dava Street (C. cremis Tax The Street Travior) (Replacement Dann Rearface) 26 Tour Traviory (Replacement Dann Rearface) 27 Comparit Tay Develope (D. Serget Tay Develope 17 Annount Conference Dannount 17 Annount Conference 18 Annount C							\$1,353								\$1,649					\$124.095		59.299	\$145,975	1					\$51,991 \$2,273 \$10,332 \$41,327 \$61,991	3 2 7
75 Annion Letters 76 Annion Letters 78 Editor Dava 78 Editor							\$1,353								\$1,649					\$124.095		\$9.299	\$145,975	1					\$61,991 \$2,273 \$10,332 \$41,327	3 2 7
75 Annoen Lefers 76, Edition Dava 77, Carnelli 19 78, Carnelli							\$1,353								\$1,649	\$9,031				\$124.095		\$9,229	\$145,975	1					\$51,991 \$2,273 \$10,332 \$41,327 \$61,991	3 2 7
75 Automote Leiders 76, Kation Dava 70, Carnolis 10 70, Carnol		\$6882					\$1,353								\$1,649	\$9,031	\$9.957			\$124.095		59.299	\$145,975	1					\$51,991 \$2,273 \$10,332 \$41,327 \$61,991	3 2 7 1
78 Announce Lactors (E. decise Door) (E. decise Clark (E. decise Complete Red. (E. dec		368,32	53,099				\$1,353				27.87.5				\$1,649	\$9,031		\$4,458		\$124.095		\$9,299	\$145,975	1		55.613			\$51,991 \$2,273 \$10,332 \$41,327 \$61,991	3 2 7 1

YEARLY EXPENSE PROJECTION

	2016	7	2018	2019	2020	2021	2022	2073	2024	2025	2028	2077	7024	2023	2030	2031	2032	2011	. 2014	2035	2015	2037	2011	7/1	2040	2041	2012	4-2043:300	1/2011	204
in Factor @ 2.51		1.025	1,051	1 077	1104	1.131	1.150	1 109	1218		1200	1,312	1245	1,378	1413	1.448	1435	1577	1550	1.599	1 633	1 630	1772	1.785	1,809	1.854	1,900	1948	1,596	20
Pada e Za	1,000	1,40	1001	1911	IIM	1,131	1,199	1 103	1219	1.40	1200	1212	1,30	1.218	1412	1.440	-1	1311	1.200	1.463	1.022	1000	11164	1,190	1007	1 400	1,200		1234	
echanical 43. HVAC Split System (1 Ten)	T	\$1,671	1	_			_								-			-				\$2,738					T	T		
44. A.C. unit (5 Ten)	-	\$8,911	-	_	-		-		-		-+		_		_	-	_			_		\$14,602	-							
4. A.C. unit (5 len) 5. A.C. unit (40 len)		90,911	-					_	\$31,526	-	-	-	_	-	_	_	_			_		214,002	_				-	-	\$51,659	
5. A.C., unit (40 Ten) 6. A.C., unit (7,5 Ten)	-	-			-		-	-	\$31,020	-	\$16,959	_		_		_	_						_	-			-		431,033	-
6. A.C. unit (7.5 Ten)				_						_		\$35,308	_	_	_	_		_	-	_				_				-		-
7. Boller-Propane (500 M3TU) 8. Hot Waler Healer (40 cal.)	-	51.379	-	_					-	_		\$1.765			_				-		_	\$2,260					_	-		-
	-	\$2,758	-					_			-	\$3,531	-	-	_	_	_	_		_	_	\$4,520		_			-	-		-
9. Hot Water Heater (80 gal.)	1	52,758	-							-	-	93,331	\$457	-		_				-	_	34,020	-				-	-	-	\vdash
50. Alarm System Control Panel	1	61.504	-	-		-		-		-			253/1	-		_	\$8,681			-		_						-		-
51, Stand Pipe Pump	-	\$5,594	_		_	_		_		_	-		67.100	_	_	_	35,501		-				-		-	-	_	\rightarrow		-
52. Eshaust Vents (large)	-		-			_				_	_		\$7,196	_	_		_		-	_	_		_	_		_	_	_		-
3. Exhaust Venis (smal)							_					-	\$1,085		_		-				7 77 777		-			5.0		-	-	-
sociation Offices & Commercial Building					Tim.	. 2 min	10.2	25.65	25.	E 17 2	- a	1.27	Sec.	# 13		Set .	_4	217. 3	17.72	7.5	5.000		-17.04	7/1/2	2:12501	000	2-1-51		PER TO	
4. Corrupated Fiberpalss Roof (rept. w/ dimensional ashphat shingles)	1				\$18,765				7		T											ALCOH L								
5. Ahminum Gutters	1		1																	\$1,275						-				
6. Aluminum Leaders			1																	\$597										
novation		-	_			-																		- 10 10 10						
7. Office Computers			1			\$10,965				1						514.035								1		\$17,970	1	1		Г
5. Office Furnishings	1		1			1			\$11,3491				1							1	\$15.264									Г
9. Inferior & Esterior Renovation Allowance	1	578.644	1										-					1									1	1		Г
echanical	-	1 020,011			-																									_
50. A.C. Condenser (3 ton)	T	1			1	1					T	1	1		59.945													1	1	
ew Office	_	-	-	_																										
61. New Office (\$403.650)	1									1	1	- 1																		Г
ear Gatehouse	-	_	-		_											1														
52. Dimensional Roof Shingles - (replace)			1		T							\$1.673	1	- 1													-			г
53, Heat Pump	-		i -	_	_									1	-	\$5,745														г
ront Gatehouse		_	1	_			_								-	***			-					_						_
64. Dimensional Roof Shinoles - (replace)	1		1										- 1	- 1			\$1,893			1					1					
65, HVAC Solt System	-		-	-	_	-	_						-		\$2,303		41,022				_			<u> </u>			-i	(i		-
65. Emergency Backup Power Generalor- nat gas	-	-	-	-	_	_	-			-	_		_		32,003						\$13,568		_	_	1		-			-
DD. Emergency Backup Power Generator- nut gas		_									_						_				\$10,000	_	_	_						_
USCELLANEOUS																														
Community Vehicles																	_						_				_			_
67. GMC Montena SV6 2500 Truck		522,767			- 3							\$29,169										\$37,335					578 672			+-
68. Pickup Truck							\$48,011			1							\$61,459										5/8,6/2			-
69. Trader	1		1			\$45,107										\$57,741										\$73,913				-
70, Walker Mower		\$13,791										\$17,654		1								\$22,599					-			┺
71. Snow Blower		\$2,122				1						\$2,716										\$3,477					\vdash			┺
72. Tamper - Sled Mount	1					\$4,099															\$5,935									\perp
73. Salt Spreader		I	1						\$7,550															\$10,955	1			_		1_
4. Cement Saw		52,122										\$2,716										\$3,477						1		1
75. 2011 Chevy Shverado K2500HD # 1GC2KVCG39Z207618					\$43,554										\$67,153	97									\$79,551					1
76, GMC 2500 Truck	1		1				\$45,011							1			\$51,459							1			\$78,672			
17, Chiopet							\$30,607		- 1								\$39,180							1			\$50,153			1
78, 2014 Chevy Silverado K2500HD # 1GB0KVCG8EF131623	1		1				1	\$47,953		- 1		- 1	1	- 1				\$61,397	1					1				\$78,5941		
79 2015 Niessa Versa Nata SQ1 US/S # 3N1CF2CPXFI 359557	1	1	1						\$21,048										526,943			1							\$34,489	
在中央公司是公司、在开下开工 12、产生人类	2016 10	1= 2017 =	1/4·20183/5	2019	202012	.:7021 N	2072-	2023	7024	2025	2026	202T	2028 1	2029 41	7. 2030:05	2031	2032	2033~	2034	2035	2035	2037	2038	2039	2040	2041	. 2012 - 1	7043	2011	Г
made the value of the total																													51.502,974	

FUNDING PLAN

Effective as of October 1, 2016

Projected Reserve Balance: \$1,415,549

10% Threshold: \$763,262

1626 Units

	Beginning	Reserve			
Fiscal	Balance	Contribution	Net Interest	Annual	Ending
Year	as of Oct 1	(Oct 1 - Sep 30)	@ 0.000%	Expenses	Balance
2016	\$1,415,549	\$819,504	\$0	\$1,903,288	\$331,765
2017	\$331,765	\$840,995	\$0	\$409,497	\$763,262
2018	\$763,262	\$840,995	\$0	\$386,012	\$1,218,245
2019	\$1,218,245	\$840,995	\$0	\$117,797	\$1,941,443
2020	\$1,941,443	\$840,995	\$0	\$198,573	\$2,583,864
2021	\$2,583,864	\$840,995	\$0	\$200,641	\$3,224,218
2022	\$3,224,218	\$840,995	\$0	\$367,500	\$3,697,713
2023	\$3,697,713	\$840,995	\$0	\$590,830	\$3,947,877
2024	\$3,947,877	\$840,995	\$0	\$408,877	\$4,379,995
2025	\$4,379,995	\$840,995	\$0	\$92,429	\$5,128,561
2026	\$5,128,561	\$840,995	\$0	\$76,751	\$5,892,805
2027	\$5,892,805	\$840,995	\$0	\$368,689	\$6,365,110
2028	\$6,365,110	\$840,995	\$0	\$223,126	\$6,982,979
2029	\$6,982,979	\$840,995	\$0	\$152,203	\$7,671,770
2030	\$7,671,770	\$840,995	\$0	\$124,867	\$8,387,897
2031	\$8,387,897	\$840,995	\$0	\$596,429	\$8,632,463
2032	\$8,632,463	\$840,995	\$0	\$609,375	\$8,864,083
2033	\$8,864,083	\$840,995	\$0	\$589,447	\$9,115,630
2034	\$9,115,630	\$840,995	\$0	\$365,418	\$9,591,207
2035	\$9,591,207	\$840,995	\$0	\$696,821	\$9,735,381
2036	\$9,735,381	\$840,995	\$0	\$2,896,113	\$7,680,262
2037	\$7,680,262	\$840,995	\$0	\$392,064	\$8,129,193
2038	\$8,129,193	\$840,995	\$0	\$710,660	\$8,259,528
2039	\$8,259,528	\$840,995	\$0	\$17,673	\$9,082,850
2040	\$9,082,850	\$840,995	\$0	\$195,970	\$9,727,874
2041	\$9,727,874	\$840,995	\$0	\$919,664	\$9,649,205
2042	\$9,649,205	\$840,995	\$0	\$978,767	\$9,511,432
2043	\$9,511,432	\$840,995	\$0	\$1,206,614	\$9,145,813
2044	\$9,145,813	\$840,995	\$0	\$1,592,974	\$8,393,833
2045	\$8,393,833	\$840,995	\$0	\$395,967	\$8,838,861
	TOTALS:	\$25,208,346	\$0	\$17,785,034	\$8,838,861