#### **CONSULTING ENGINEERS**

# (PRIVATE AND CONFIDENTIAL) (DRAFT FOR DISCUSSION PURPOSES ONLY)

## RESERVE FUND STUDY UPDATE

#### **FOR**

# METROPOLITAN TORONTO CONDOMINIUM CORPORATION No. 600

LOCATED AT

256 JARVIS STREET TORONTO, ONTARIO

PREPARED FOR

THE BOARD OF DIRECTORS

**NOVEMBER 16, 2009** 

PREPARED BY

**BUILDING SCIENCES INC.** 

Project No.: 02459

Table 2 - Annual Outlay (Period 2010-2019)

|        |   |              |                | iual Outla     |              |          |                |           |           | T             |          |
|--------|---|--------------|----------------|----------------|--------------|----------|----------------|-----------|-----------|---------------|----------|
| Item   | Description of  | 2010         | 2011           | 2012           | 2013         | 2014     | 2015           | 2016      | 2017      | 2018          | 2019     |
| No.    | Common Element Items  |              |                |                |              |          |                |           |           |               | _        |
| 1      | Concrete and Precast Wall Panels  |              |                |                |              |          |                |           |           |               |          |
|        | Exterior Caulking   |              |                |                |              |          | \$137,000      |           |           |               |          |
| 3      | Exterior Architectural Coating  |              |                |                |              |          |                |           |           | \$152,000     |          |
| 4      | Window System Repairs   |              |                |                |              |          | \$0            |           |           |               |          |
| 5<br>6 | Window System Replacement Window Weatherstripping                               | \$0          |                |                |              |          |                |           |           |               |          |
| 7      | Lobby and Vestibule Glazing/Doors   | 40           |                |                |              |          |                | \$16,000  |           |               |          |
|        | Metal Grilles   | 1            |                |                |              |          | \$5,700        | * 10,000  |           |               | -        |
|        | Inverted Roofing System-Phase 1   | 1            |                |                |              |          |                |           |           |               |          |
| 10     | Inverted Roofing System-Phase 2   |              |                |                |              |          |                |           |           |               |          |
|        | Inverted Roofing System-Phase 3   |              |                |                |              |          |                |           |           |               |          |
|        | Inverted Roofing System-Phase 4   |              |                |                | 45.000       |          |                |           |           | 45.000        |          |
|        | Inverted Roofing System Repairs   |              |                |                | \$5,000      |          |                |           |           | \$5,000       |          |
|        | Metal Soffit Finishes Roof Anchors  |              |                |                |              |          |                |           |           | \$26,200      |          |
|        | Suspended Slab Concrete Repairs   | _            |                | _              | <del>-</del> |          | _              |           |           |               | _        |
|        | Suspended Slab Waterproofing System   |              |                |                |              |          |                |           |           |               |          |
| 18     | Roof Slab Concrete Repairs  |              |                |                |              |          |                |           |           |               |          |
|        | Roof Slab Waterproofing System  |              |                |                |              |          |                |           |           |               |          |
|        | Parking Garage Repairs  | ľ            |                | \$25,000       |              |          |                |           | \$25,000  |               |          |
|        | Parking Garage Painting   |              |                |                |              | ** ***   |                |           |           |               |          |
|        | Parking Garage Deems Heating Cables   |              |                |                |              | \$9,000  |                |           |           |               |          |
| 23     | Parking Garage Ramp Heating Cables  Corridor Carpeting and Wall Finishes        | <del> </del> |                |                | \$123,000    |          |                |           |           |               | _        |
|        | Decorative Mouldings/Finishes-Suite Doors                                       |              |                |                | 4.25,000     |          |                |           |           |               |          |
| 26     | Flooring/Wall/Ceiling Finishes-Phase 1  |              |                |                |              |          |                |           |           | \$50,000      |          |
|        | Flooring/Wall/Ceiling Finishes-Phase 2  | \$100,000    |                |                |              |          |                |           |           |               |          |
| 28     | Interior Painting   |              | \$18,200       |                |              |          |                |           |           |               |          |
| 29     | Interior Elevator Finishes  |              |                |                | \$28,500     |          |                |           |           |               |          |
|        | Interior Elevator Finishes  |              |                |                | \$28,500     |          |                |           |           |               |          |
|        | Main Lobby Finishes Miscellaneous Furnishings and Appliances                    | }            |                |                |              |          |                |           | \$20,000  |               |          |
|        | Superintendent's Suite  |              |                |                |              |          | \$0            |           | \$20,000  |               |          |
|        | Saunas  | \$18,400     |                |                |              |          |                |           |           |               |          |
|        | Hot Tub   | \$18,800     |                |                |              |          |                |           |           |               |          |
| 36     | Suite Entrance Doors  |              |                |                |              |          |                |           | \$18,500  |               |          |
|        | Common Area Doors   |              |                |                |              |          |                |           | \$18,500  |               |          |
|        | Roof Top Trellis, Planters and Irrigation Sys.                                  |              |                |                |              |          | \$12,000       |           |           |               |          |
|        | Asphalt Pavement Repairs  |              |                | \$0            |              |          |                |           | \$0       |               |          |
|        | Asphalt Pavement Replacement(Grade) Asphalt Pavement Replacement(Roof Slab)     | 1            |                |                |              |          |                |           |           |               |          |
|        | Concrete Pavement   |              |                |                |              |          |                |           |           |               |          |
|        | Metal Fencing-Phase 1   | ļ            |                |                |              |          |                | \$4,500   |           |               |          |
| 44     | Metal Fencing-Phase 2   |              |                |                |              |          |                |           |           |               |          |
| 1 1    | Concrete Planter  | ŀ            |                | •              |              |          |                |           |           |               |          |
|        | Interlocking Pavement   |              |                |                |              |          |                | \$25,000  |           |               |          |
|        | Landscaping and Miscellaneous Items   |              |                |                |              | \$0      |                |           | *05.000   |               |          |
|        | Sanitary and Storm Sewer System   | \$50,000     |                |                |              |          |                |           | \$25,000  |               |          |
|        | Domestic Water Heating Boilers Heating Boilers                                  | \$70,000     |                |                |              |          |                |           |           |               |          |
|        | Building System Pumps   | 0.0,000      |                |                |              |          | \$15,000       |           |           |               |          |
| . ,    | Domestic Hot Water Recirculation System   |              |                | \$15,400       |              |          |                |           |           |               |          |
| 53     | Domestic Hot Water Storage Tank   |              |                |                |              | \$6,000  |                |           |           |               |          |
|        | HVAC Unit   |              |                |                |              |          |                |           |           |               |          |
|        | Domestic Water Pipes and Risers   | \$260,000    |                | DE4 355        |              |          |                |           |           |               |          |
| , ,    | Fire Protection System<br>Make-Up Air, Vent. & Exhaust SysPhase 1               | ]            | ¢38 000        | \$51,300       |              |          |                |           |           |               |          |
|        | Make-Up Air, Vent. & Exhaust SysPhase 1 Make-Up Air, Vent. & Exhaust SysPhase 2 |              | \$38,000       | \$38,000       |              |          |                |           |           |               |          |
|        | Plumbing Systems  | \$20,000     |                | +35,500        |              |          |                |           |           |               |          |
|        | Heating/Cooling Units-Common Areas  |              |                |                |              |          | \$6,800        |           |           |               |          |
| 61     | Garbage Chute   |              |                |                |              |          |                |           | \$10,000  |               |          |
|        | Garbage Compactor   |              |                | \$15,000       |              |          |                |           |           |               |          |
|        | Hot Tub Equipment   |              | \$8,700        |                |              |          |                | *400.000  |           |               |          |
|        | Elevator Upgrades   | £15.000      |                |                |              |          |                | \$138,000 |           |               |          |
|        | Mechanical Controls-Phase 1 Mechanical Controls-Phase 2                         | \$15,000     |                |                |              |          | \$25,000       |           |           |               |          |
|        | Power Supply and Switch Gear  |              |                | _              | -            |          | <b>420,000</b> |           |           | \$50,000      |          |
|        | Electrical Distribution   |              |                |                |              |          | \$25,000       |           |           | ,             |          |
| 69     | Panels and Sub-Circuits   |              |                |                |              |          | \$35,000       |           |           |               |          |
|        | Interior Lighting-Building Tower  |              |                |                |              |          |                |           |           | \$18,800      |          |
|        | Interior Lighting-Parking Garage  |              |                |                |              | 200 000  |                |           |           |               |          |
|        | Exterior Lighting   | )            |                |                |              | \$22,000 |                |           |           |               | \$32,400 |
|        | Fire Alarm System-Phase 1 Fire Alarm System-Phase 2                             |              | \$60,000       |                |              |          |                |           |           |               | 402,7VV  |
|        | Fire Alarm System-Phase 3   |              | <b>400,000</b> |                |              |          |                |           |           |               |          |
| , ,    | Fire Alarm System-Phase 4   |              |                |                |              |          |                |           |           |               |          |
|        | Emergency Generator   |              |                |                |              |          |                |           |           |               |          |
|        | Common Area Camera System   | 1            |                |                |              | \$24,600 |                |           |           |               |          |
| 79 0   | Common Area Security System   |              |                |                |              |          |                | \$48,300  |           |               |          |
|        | Enterphone System   |              |                |                | \$20,500     |          |                |           |           |               |          |
|        | Pipe Tracing System   | \$12,000     |                | _              |              | 400      |                |           |           |               | 600.000  |
|        | Building Structure  |              |                | \$2,500        |              | \$20,000 | \$2,500        |           |           | \$2,500       | \$20,000 |
|        | Reserve Fund Study Updates Contingency  | \$20,000     |                | <b>⊉</b> ∠,⊃UU |              |          | \$2,500        |           |           | <b>⊕∠,300</b> |          |
|        | Total Outlay Per Year,Present Value   | \$584,200    | \$124,900      | \$147,200      | \$205,500    | \$81,600 | \$284,000      | \$231,800 | \$117,000 | \$304,500     | \$52,400 |
|        | Total Outlay Per Year, Future Value   | \$584,200    | \$127,398      | \$153,147      | \$218,078    | \$88,326 | \$313,559      | \$261,044 | \$134,396 | \$356,770     | \$62,623 |
| L      |   |              |                |                |              |          |                |           |           |               |          |

Table 2 (Con't) - Annual Outlay (Period 2020-2029)

|          |   | Table 2   | (Cont) -        | Annuai C  | Juliay (Pe       | eriod 202           | (0-2029)  |          |           |          |                  |
|----------|---|-----------|-----------------|-----------|------------------|---------------------|-----------|----------|-----------|----------|------------------|
| Item     | Description of  | 2020      | 2021            | 2022      | 2023             | 2024                | 2025      | 2026     | 2027      | 2028     | 2029             |
| No.      | Common Element Items  |           |                 |           |                  |                     |           |          |           |          |                  |
| 1        | Concrete and Precast Wall Panels                                | 1         |                 | l .       | \$35,000         | 1                   | l         |          |           |          |                  |
| 2        | Exterior Caulking   |           |                 |           | <b>\$</b> 00,000 |                     |           |          |           |          |                  |
|          | Exterior Architectural Coating                                  |           |                 |           |                  |                     |           |          |           |          |                  |
| 4        | Window System Repairs   | \$0       |                 |           |                  |                     | \$0       |          |           |          |                  |
| 5        | Window System Replacement                                       |           | \$390,000       |           |                  |                     |           |          |           |          |                  |
| 6        | Window Weatherstripping   |           |                 |           |                  |                     |           |          |           |          |                  |
| 7        | Lobby and Vestibule Glazing/Doors                               |           |                 |           |                  |                     |           |          |           |          |                  |
| 8        | Metal Grilles   |           |                 |           |                  |                     |           |          |           |          |                  |
| 9        | Inverted Roofing System-Phase 1                                 |           |                 |           |                  |                     | \$177,000 |          |           |          |                  |
| 10       | Inverted Roofing System-Phase 2                                 |           |                 |           |                  |                     |           |          |           |          | ļ                |
| 11       | Inverted Roofing System-Phase 3                                 |           |                 |           | \$47,600         |                     |           |          |           |          |                  |
| 12       | Inverted Roofing System-Phase 4 Inverted Roofing System Repairs | ĺ         |                 |           | <b>e</b> E 000   |                     |           |          |           | \$5,000  |                  |
| 13<br>14 | Metal Soffit Finishes   |           |                 |           | \$5,000          |                     |           |          |           | \$5,000  |                  |
| 15       | Roof Anchors  |           |                 |           |                  |                     |           | \$20,000 |           |          |                  |
| 16       | Suspended Slab Concrete Repairs                                 | -         |                 | \$250,000 |                  |                     |           | 420,000  |           |          | _                |
|          | Suspended Slab Waterproofing System                             |           |                 | \$142,500 |                  |                     |           |          |           |          |                  |
|          | Roof Slab Concrete Repairs                                      |           |                 | <b>*</b>  |                  |                     |           |          | \$20,000  |          |                  |
|          | Roof Slab Waterproofing System                                  |           |                 |           |                  |                     |           |          | \$74,100  |          |                  |
|          | Parking Garage Repairs  |           |                 | \$25,000  |                  |                     |           |          | \$25,000  |          |                  |
| 21       | Parking Garage Painting   | \$26,000  |                 |           |                  |                     |           |          |           |          |                  |
| 22       | Parking Garage Overhead Door                                    |           |                 |           |                  | \$9,000             |           |          |           |          |                  |
| _        | Parking Garage Ramp Heating Cables                              |           |                 | \$48,000  |                  |                     |           |          |           | _        |                  |
| 24       | Corridor Carpeting and Wall Finishes                            |           |                 |           |                  |                     | \$123,000 |          |           |          |                  |
| 25       | Decorative Mouldings/Finishes-Suite Doors                       | 1         |                 |           |                  |                     |           | \$25,000 |           |          |                  |
|          | Flooring/Wall/Ceiling Finishes-Phase 1                          | 1         |                 |           |                  |                     |           |          |           |          |                  |
|          | Flooring/Wall/Ceiling Finishes-Phase 2                          |           | 640.000         |           |                  |                     |           |          |           |          |                  |
|          | Interior Painting   | 1         | \$18,200        |           |                  |                     |           |          |           |          |                  |
|          | Suspended Ceiling Tiles<br>Interior Elevator Finishes           | 1         |                 |           |                  |                     |           |          |           | \$28,500 |                  |
|          | Main Lobby Finishes   | \$60,000  |                 |           |                  |                     |           |          |           | \$25,500 |                  |
|          | Miscellaneous Fumishings and Appliances                         | \$30,000  |                 |           |                  |                     |           |          |           |          |                  |
|          | Superintendent's Suite  | \$0       |                 |           |                  |                     | \$0       |          |           |          |                  |
|          | Saunas  | "         |                 |           |                  |                     | ••        |          |           |          |                  |
|          | Hot Tub   |           |                 |           |                  |                     |           |          |           |          |                  |
|          | Suite Entrance Doors  | 1         |                 |           |                  |                     |           |          |           |          |                  |
|          | Common Area Doors   |           |                 |           |                  |                     |           |          |           |          |                  |
| 38       | Roof Top Trellis, Planters and Irrigation Sys.                  |           |                 |           |                  |                     | \$12,000  |          |           |          |                  |
|          | Asphalt Pavement Repairs  |           |                 | \$0       |                  |                     |           |          | \$0       |          |                  |
|          | Asphalt Pavement Replacement(Grade)                             | l         |                 |           |                  |                     |           |          | \$20,500  |          |                  |
|          | Asphalt Pavement Replacement(Roof Slab)                         |           |                 |           |                  |                     |           |          | \$11,400  |          |                  |
|          | Concrete Pavement   |           |                 |           |                  |                     |           |          | \$20,500  |          |                  |
|          | Metal Fencing-Phase 1   |           |                 |           |                  |                     |           |          |           |          |                  |
|          | Metal Fencing-Phase 2   |           |                 |           |                  |                     |           |          |           |          |                  |
|          | Concrete Planter  |           |                 |           |                  |                     |           |          |           |          |                  |
|          | Interlocking Pavement  Landscaping and Miscellaneous Items      |           |                 |           |                  |                     |           |          |           |          | \$0              |
|          | Sanitary and Storm Sewer System                                 | -         |                 |           |                  |                     |           |          |           |          |                  |
|          | Domestic Water Heating Boilers                                  |           |                 |           |                  |                     |           |          |           |          |                  |
|          | Heating Boilers   |           |                 |           |                  |                     |           |          |           |          |                  |
|          | Building System Pumps   |           |                 |           |                  |                     | \$15,000  |          |           |          |                  |
|          | Domestic Hot Water Recirculation System                         |           |                 |           |                  |                     |           |          | \$15,400  |          |                  |
|          | Domestic Hot Water Storage Tank                                 | \$6,000   |                 |           |                  |                     |           | \$6,000  |           |          |                  |
| 54       | HVAC Unit   |           |                 |           |                  |                     |           |          |           |          |                  |
|          | Domestic Water Pipes and Risers                                 |           |                 |           |                  |                     |           |          |           |          |                  |
|          | Fire Protection System  |           |                 |           |                  |                     |           |          |           |          |                  |
|          | Make-Up Air, Vent. & Exhaust SysPhase 1                         |           |                 |           |                  |                     |           |          |           |          |                  |
|          | Make-Up Air, Vent. & Exhaust SysPhase 2                         |           |                 |           |                  |                     |           |          |           |          |                  |
|          | Plumbing Systems  | \$20,000  |                 |           |                  |                     | <b>A-</b> |          |           |          |                  |
|          | Heating/Cooling Units-Common Areas                              |           |                 |           |                  |                     | \$6,800   |          |           |          |                  |
|          | Garbage Chute   |           |                 |           |                  |                     |           |          |           |          |                  |
|          | Garbage Compactor   |           |                 |           |                  |                     |           | \$8,700  |           |          |                  |
|          | Hot Tub Equipment<br>Elevator Upgrades                          |           |                 |           |                  |                     |           | ψ0,7 UU  |           |          |                  |
|          | Elevator Opgrades Mechanical Controls-Phase 1                   |           |                 |           |                  |                     |           |          |           |          |                  |
|          | Mechanical Controls-Phase 2                                     |           |                 |           |                  |                     |           |          |           |          |                  |
|          | Power Supply and Switch Gear                                    |           |                 |           |                  |                     |           | -        |           | _        |                  |
|          | Electrical Distribution   |           |                 |           |                  |                     |           |          |           |          |                  |
|          | Panels and Sub-Circuits   |           |                 |           |                  |                     |           |          |           |          |                  |
|          | Interior Lighting-Building Tower                                |           |                 |           |                  |                     |           |          |           |          |                  |
|          | Interior Lighting-Parking Garage                                |           |                 |           | \$17,100         |                     |           |          |           |          |                  |
|          | Exterior Lighting   |           |                 |           |                  |                     |           |          |           |          |                  |
|          | Fire Alarm System-Phase 1                                       |           |                 |           |                  |                     |           |          |           |          |                  |
|          | Fire Alarm System-Phase 2                                       |           |                 |           |                  |                     |           |          |           |          |                  |
|          | Fire Alarm System-Phase 3                                       |           |                 |           |                  |                     |           |          |           |          |                  |
|          | Fire Alarm System-Phase 4                                       |           |                 |           |                  |                     |           |          |           |          |                  |
|          | Emergency Generator   |           | \$30,800        |           |                  |                     |           |          |           |          | 404.000          |
|          | Common Area Camera System                                       |           |                 |           |                  |                     |           |          |           |          | \$24,600         |
|          | Common Area Security System                                     |           |                 |           |                  |                     |           |          |           |          |                  |
|          | Enterphone System   |           |                 |           |                  |                     | 649.000   |          |           |          |                  |
|          | Pipe Tracing System   |           |                 |           |                  | \$20,000            | \$12,000  |          |           |          | \$20,000         |
|          | Building Structure<br>Reserve Fund Study Updates                |           | \$2,500         |           |                  | \$20,000<br>\$2,500 |           |          | \$2,500   |          | ψ <b>∠</b> 0,000 |
|          | Contingency   | \$20,000  | φ <b>2</b> ,300 |           |                  | φ <b>2,</b> 300     | \$20,000  |          | 92,300    |          |                  |
|          | Total Outlay Per Year, Present Value                            | \$132,000 | \$441,500       | \$465,500 | \$104,700        | \$31,500            | \$365,800 | \$59,700 | \$189,400 | \$33,500 | \$44,600         |
|          | Total Outlay Per Year, Future Value                             | \$160,907 | \$548,950       | \$590,367 | \$135,441        | \$41,564            | \$492,319 | \$81,955 | \$265,206 | \$47,846 | \$64,974         |
|          |   |           |                 |           | •                | -                   |           | -        |           |          |                  |

Table 2 (Con't) - Annual Outlay (Period 2030-2039)

|          |  | rable 2             | (Cont) - | Annual C | outlay (Pe | erioù zus | 0-2039)   |           |                 |           |                     |
|----------|--|---------------------|----------|----------|------------|-----------|-----------|-----------|-----------------|-----------|---------------------|
| Item     | Description of   | 2030                | 2031     | 2032     | 2033       | 2034      | 2035      | 2036      | 2037            | 2038      | 2039                |
| No.      | Common Element Items   |                     |          |          |            |           |           |           |                 |           |                     |
| 1        | Concrete and Precast Wall Panels                             |                     |          |          |            |           |           |           |                 |           |                     |
| 2        | Exterior Caulking  | \$137,000           |          |          |            |           |           |           |                 |           |                     |
| 1        | Exterior Architectural Coating                               |                     |          |          | \$152,000  |           | **        |           |                 |           |                     |
| 4        | Window System Repairs  | \$0                 |          |          |            |           | \$0       |           |                 |           |                     |
| 5        | Window Weatherstanding                                       |                     |          |          |            |           |           |           |                 |           |                     |
| 6 7      | Window Weatherstripping<br>Lobby and Vestibule Glazing/Doors | \$0                 |          |          |            |           |           |           |                 |           |                     |
| 8        | Metal Grilles  |                     |          |          |            |           |           |           |                 |           |                     |
| 9        | Inverted Roofing System-Phase 1                              |                     |          |          |            |           |           |           |                 |           |                     |
| 10       | Inverted Roofing System-Phase 2                              | \$46,000            |          |          |            |           |           |           |                 |           |                     |
| 11       | Inverted Roofing System-Phase 3                              | 1.0,000             |          |          |            |           |           |           |                 |           |                     |
| 12       | Inverted Roofing System-Phase 4                              | \$16,000            |          |          |            |           |           |           |                 |           |                     |
| 13       | Inverted Roofing System Repairs                              |                     |          |          | \$5,000    |           |           |           |                 | \$5,000   |                     |
| 14       | Metal Soffit Finishes  |                     |          |          |            |           |           |           |                 |           |                     |
| 15       | Roof Anchors   |                     |          |          |            |           |           |           |                 |           |                     |
| 16       | Suspended Slab Concrete Repairs                              |                     |          |          |            |           |           |           | \$250,000       |           |                     |
| 17       | Suspended Slab Waterproofing System                          |                     |          |          |            |           |           |           | \$142,500       |           |                     |
| 18       | Roof Slab Concrete Repairs                                   |                     |          |          |            |           |           |           |                 |           |                     |
| 19<br>20 | Roof Slab Waterproofing System Parking Garage Repairs        |                     |          | \$25,000 |            |           |           |           | \$25,000        |           |                     |
|          | Parking Garage Repairs Parking Garage Painting               | \$26,000            |          | \$25,000 |            |           |           |           | <b>\$25,000</b> |           |                     |
|          | Parking Garage Painting Parking Garage Overhead Door         | <b>\$20,000</b>     |          |          |            | \$9,000   |           |           |                 |           |                     |
|          | Parking Garage Ramp Heating Cables                           |                     |          |          |            | \$5,000   |           |           | \$48,000        |           |                     |
|          | Corridor Carpeting and Wall Finishes                         |                     |          |          |            |           |           |           | \$123,000       |           |                     |
|          | Decorative Mouldings/Finishes-Suite Doors                    |                     |          |          |            |           |           |           | •               |           |                     |
|          | Flooring/Wall/Ceiling Finishes-Phase 1                       |                     |          |          |            |           |           |           |                 | \$50,000  |                     |
|          | Flooring/Wall/Ceiling Finishes-Phase 2                       | \$100,000           |          |          |            |           |           |           |                 |           |                     |
|          | Interior Painting  |                     | \$18,200 |          |            |           |           |           |                 |           |                     |
|          | Suspended Ceiling Tiles                                      |                     |          |          |            |           | \$7,500   |           |                 |           |                     |
|          | Interior Elevator Finishes                                   |                     |          |          |            |           |           |           |                 |           |                     |
|          | Main Lobby Finishes  |                     |          |          |            |           |           |           | 00- 0           |           |                     |
|          | Miscellaneous Furnishings and Appliances                     |                     |          |          |            |           | **        |           | \$20,000        |           |                     |
|          | Superintendent's Suite                                       | \$0                 |          |          |            |           | \$0       |           |                 |           |                     |
|          | Saunas   | \$18,400            |          |          |            |           | 440.000   |           |                 |           |                     |
|          | Hot Tub  |                     |          |          |            |           | \$18,800  |           |                 |           |                     |
|          | Suite Entrance Doors<br>Common Area Doors                    |                     |          |          |            |           |           |           |                 |           |                     |
|          | Roof Top Trellis, Planters and Irrigation Sys.               |                     |          |          |            |           | \$12,000  |           |                 |           | _                   |
|          | Asphalt Pavement Repairs                                     |                     |          | \$0      |            |           | ψ12,000   |           | \$0             |           |                     |
|          | Asphalt Pavement Replacement(Grade)                          |                     |          | ••       |            |           |           |           | **              |           |                     |
|          | Asphalt Pavement Replacement(Roof Slab)                      |                     |          |          |            |           |           |           |                 |           |                     |
|          | Concrete Pavement  |                     |          |          |            |           |           |           |                 |           |                     |
| 43       | Metal Fencing-Phase 1  |                     |          |          |            |           |           |           |                 |           |                     |
| 44       | Metal Fencing-Phase 2  |                     |          |          |            |           |           |           |                 |           |                     |
| 45       | Concrete Planter   |                     |          |          |            |           |           |           | \$6,000         |           |                     |
|          | Interlocking Pavement  |                     |          |          |            |           |           |           |                 |           |                     |
|          | Landscaping and Miscellaneous Items                          |                     |          |          |            |           |           |           |                 |           |                     |
|          | Sanitary and Storm Sewer System                              |                     |          |          |            |           | 250 000   |           |                 |           |                     |
|          | Domestic Water Heating Boilers                               |                     |          |          |            |           | \$50,000  |           |                 | ¢70.000   |                     |
|          | Heating Boilers<br>Building System Pumps                     | ļ                   |          |          |            |           | \$15,000  |           |                 | \$70,000  |                     |
|          | Domestic Hot Water Recirculation System                      |                     |          |          |            |           | \$15,000  |           |                 |           |                     |
|          | Domestic Hot Water Storage Tank                              |                     |          | \$6,000  |            |           |           |           |                 | \$6,000   |                     |
| , ,      | HVAC Unit  |                     |          | 00,000   | \$153,000  |           |           |           |                 | 00,000    |                     |
|          | Domestic Water Pipes and Risers                              |                     |          |          | ,          |           | \$260,000 |           |                 |           |                     |
|          | Fire Protection System                                       |                     |          |          |            |           |           |           |                 |           |                     |
|          | Make-Up Air, Vent. & Exhaust SysPhase 1                      |                     |          |          |            |           |           | \$38,000  |                 |           |                     |
|          | Make-Up Air, Vent. & Exhaust SysPhase 2                      |                     |          |          |            |           |           |           | \$38,000        |           |                     |
|          | Plumbing Systems   | \$20,000            |          |          |            |           |           |           |                 |           |                     |
|          | Heating/Cooling Units-Common Areas                           |                     |          |          |            |           | \$6,800   |           |                 |           |                     |
|          | Garbage Chute  |                     |          |          |            |           |           |           |                 |           |                     |
|          | Garbage Compactor  |                     |          |          |            |           |           |           |                 |           |                     |
|          | Hot Tub Equipment  |                     |          |          |            |           |           |           |                 |           |                     |
|          | Elevator Upgrades  | ¢15.000             |          |          |            |           |           |           |                 |           |                     |
|          | Mechanical Controls-Phase 1 Mechanical Controls-Phase 2      | \$15,000            |          |          |            |           | \$25,000  |           |                 |           |                     |
|          | Mechanical Controls-Phase 2 Power Supply and Switch Gear     | -                   |          |          |            |           | Ψ∠ΰ₁ƯƯƯ   |           |                 |           |                     |
|          | Electrical Distribution                                      | 1                   |          |          |            |           |           |           |                 |           |                     |
|          | Panels and Sub-Circuits                                      |                     |          |          |            |           |           |           |                 |           |                     |
|          | Interior Lighting-Building Tower                             | 1                   |          |          |            |           |           |           |                 |           |                     |
|          | Interior Lighting-Parking Garage                             | ĺ                   |          |          |            |           |           |           |                 |           |                     |
|          | Exterior Lighting  |                     |          |          |            |           |           |           |                 |           |                     |
| , ,      | Fire Alarm System-Phase 1                                    |                     |          |          |            |           |           |           |                 |           |                     |
|          | Fire Alarm System-Phase 2                                    |                     |          |          |            |           |           | \$60,000  |                 |           |                     |
|          | Fire Alarm System-Phase 3                                    | \$18,800            |          |          |            |           |           |           |                 |           |                     |
| 76       | Fire Alarm System-Phase 4                                    |                     |          |          |            |           | \$20,000  |           |                 |           |                     |
|          | Emergency Generator  |                     |          |          |            |           |           |           |                 |           |                     |
|          | Common Area Camera System                                    |                     |          |          |            |           |           | _         |                 |           |                     |
|          | Common Area Security System                                  |                     |          |          |            |           |           | \$48,300  |                 | 404       |                     |
|          | Enterphone System  |                     |          |          |            |           |           |           |                 | \$20,500  |                     |
|          | Pipe Tracing System  |                     |          |          |            | #00.000   |           |           |                 |           | 800.000             |
|          | Building Structure   | 63 500              |          |          | 63 500     | \$20,000  |           | ¢o soo    |                 |           | \$20,000<br>\$2,500 |
|          | Reserve Fund Study Updates<br>Contingency                    | \$2,500<br>\$20,000 |          |          | \$2,500    |           | \$20,000  | \$2,500   |                 |           | 92,000              |
|          | Fotal Outlay Per Year,Present Value                          | \$419,700           | \$18,200 | \$31,000 | \$312,500  | \$29,000  | \$435,100 | \$148,800 | \$652,500       | \$151,500 | \$22,500            |
|          | Total Outlay Per Year, Future Value                          | \$623,652           | \$27,585 | \$47,925 | \$492,781  | \$46,645  | \$713,828 | \$249,005 | \$1,113,743     | \$263,765 | \$39,957            |
| L        | ,  |                     |          |          |            |           |           | . ,       |                 |           |                     |

Table 4

### Financial Analysis-Cash Flow 2 (Based on Proposed Level of Funding)

Assumed Interest Rate: 3.0%

Assumed Inflation Rate: 2.0%

Annual Acceleration Rate: 4.0% (2010-2022); 1.0% (2023-2039)

Recommended Annual Contribution for 2010: \$182,475

Supplemental Assessment: Nil

Projected Reserve Fund Balance at December 31, 2009: \$555,000

| Fiscal | Opening     | Annual       | Supplemental | Expenses     | Interest | Closing      | Balance       |
|--------|-------------|--------------|--------------|--------------|----------|--------------|---------------|
| Year   | Balance     | Contribution | Assessment   | Future Value | Earned   | Future Value | Present Value |
| 2010   | \$555,000   | \$182,475    |              | \$584,200    | \$10,624 | \$163,899    | \$163,899     |
| 2011   | \$163,899   | \$189,774    |              | \$127,398    | \$5,853  | \$232,128    | \$227,576     |
| 2012   | \$232,128   | \$197,365    |              | \$153,147    | \$7,627  | \$283,973    | \$272,946     |
| 2013   | \$283,973   | \$205,260    |              | \$218,078    | \$8,327  | \$279,481    | \$263,361     |
| 2014   | \$279,481   | \$213,470    |              | \$88,326     | \$10,262 | \$414,886    | \$383,291     |
| 2015   | \$414,886   | \$222,009    |              | \$313,559    | \$11,073 | \$334,409    | \$302,885     |
| 2016   | \$334,409   | \$230,889    |              | \$261,044    | \$9,580  | \$313,834    | \$278,676     |
| 2017   | \$313,834   | \$240,125    |              | \$134,396    | \$11,001 | \$430,563    | \$374,831     |
| 2018   | \$430,563   | \$249,730    |              | \$356,770    | \$11,311 | \$334,834    | \$285,778     |
| 2019   | \$334,834   | \$259,719    |              | \$62,623     | \$13,001 | \$544,931    | \$455,974     |
| 2020   | \$544,931   | \$270,108    |              | \$160,907    | \$17,986 | \$672,118    | \$551,371     |
| 2021   | \$672,118   | \$280,912    |              | \$548,950    | \$16,143 | \$420,223    | \$337,970     |
| 2022   | \$420,223   | \$292,148    |              | \$590,367    | \$8,133  | \$130,138    | \$102,613     |
| 2023   | \$130,138   | \$295,070    |              | \$135,441    | \$6,299  | \$296,066    | \$228,868     |
| 2024   | \$296,066   | \$298,021    |              | \$41,564     | \$12,729 | \$565,251    | \$428,390     |
| 2025   | \$565,251   | \$301,001    |              | \$492,319    | \$14,088 | \$388,021    | \$288,306     |
| 2026   | \$388,021   | \$304,011    |              | \$81,955     | \$14,971 | \$625,048    | \$455,314     |
| 2027   | \$625,048   | \$307,051    |              | \$265,206    | \$19,379 | \$686,273    | \$490,110     |
| 2028   | \$686,273   | \$310,121    |              | \$47,846     | \$24,522 | \$973,070    | \$681,304     |
| 2029   | \$973,070   | \$313,223    |              | \$64,974     | \$32,916 | \$1,254,235  | \$860,945     |
| 2030   | \$1,254,235 | \$316,355    |              | \$623,652    | \$33,018 | \$979,955    | \$659,482     |
| 2031   | \$979,955   | \$319,518    |              | \$27,585     | \$33,778 | \$1,305,666  | \$861,447     |
| 2032   | \$1,305,666 | \$322,714    |              | \$47,925     | \$43,292 | \$1,623,746  | \$1,050,302   |
| 2033   | \$1,623,746 | \$325,941    |              | \$492,781    | \$46,210 | \$1,503,115  | \$953,209     |
| 2034   | \$1,503,115 | \$329,200    |              | \$46,645     | \$49,332 | \$1,835,002  | \$1,140,860   |
| 2035   | \$1,835,002 | \$332,492    |              | \$713,828    | \$49,330 | \$1,502,997  | \$916,123     |
| 2036   | \$1,502,997 | \$335,817    |              | \$249,005    | \$46,392 | \$1,636,201  | \$977,760     |
| 2037   | \$1,636,201 | \$339,175    |              | \$1,113,743  | \$37,468 | \$899,100    | \$526,749     |
| 2038   | \$899,100   | \$342,567    |              | \$263,765    | \$28,155 | \$1,006,057  | \$577,854     |
| 2039   | \$1,006,057 | \$345,993    |              | \$39,957     | \$34,772 | \$1,346,866  | \$758,437     |