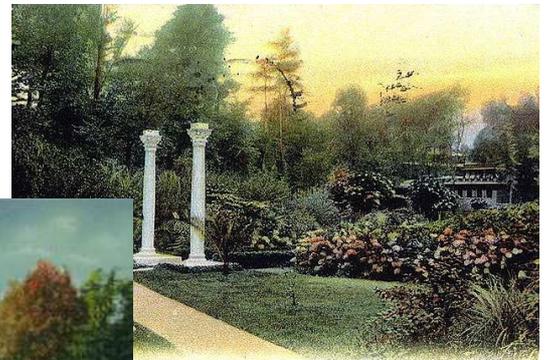




City of Saratoga Springs
DEPARTMENT OF PUBLIC WORKS
2015 Annual Report



Anthony J. "Skip" Scirocco, Commissioner
Timothy J. Cogan, Deputy Commissioner



A NOTE ABOUT THE COVER

Spirit of Life Spencer Trask Memorial Restoration Project

The Spirit of Life Spencer Trask Memorial is part of the National Historic Landmark District that includes Congress Park and the Canfield Casino. "The Spirit of Life" began as a commission for a memorial to the famous Wall Street financier Spencer Trask (1844–1909), a summer resident in Saratoga Springs and a founder of the committee which was charged with renewing the city's reputation as a health resort. Trask was killed in a train accident in 1909. In 1913, Trask's wife, Katrina, and friend, George Foster Peabody, commemorated Trask's contributions to the community by commissioning Daniel Chester French, the famous sculptor of the Lincoln Memorial and several influential people to create the memorial. For example, Henry Bacon, who collaborated with French on the Lincoln Memorial, designed the setting for French's statue. The landscape work was designed by landscape engineer, Charles Leavitt, well known for designing many famous projects including the Saratoga Race Track.

The City, in partnership with the Saratoga Springs Preservation Foundation, undertook the restoration of the Spirit of Life in time for the June 26, 2015 centennial celebration. The restoration was completed as a three phase project. The masonry restoration began in July 2014. The landscape and statue restorations were completed in June 2015.

DPW worked with preservation architect Lacey Thaler Reilly Wilson Architecture & Preservation, LLP (LTRW) of Albany, NY and landscape architect Martha Lyon (ML) of Northampton, MA to design the Spirit of Life Spencer Trask Memorial Restoration Project. The masonry construction was completed by PCC Contracting, Inc. (PCC) and the landscaping construction was completed by Mid-State Industries, Ltd. (MI). Both firms are located in Schenectady, NY. The statue was conserved by Daedalus of Watertown, MA. The Department of Public Works provided project management, electrical, site work assistance and restored the bronze lettering in the limestone surround. The work was completed for a total price of \$602,860.

Additional information can be found in Section D.

TABLE OF CONTENTS

I.	Introduction	Page#
A.	Expenditures Breakdown	1
B.	DPW Organizational Flow Chart	2
C.	Overview	3
D.	Honors and Awards	4
II.	Streets & Highways Department	Page#
A.	Overview	7
B.	Paving Program	7
C.	Railroad Run & Spring Run Multi-Use Trails	8
D.	Seasonal Maintenance	8
E.	Beautification	11
F.	Public Right of Way Management	12
G.	Street Acceptance	12
H.	Safety Training	12
I.	Storm Water Pollution Prevention Training	12
III.	Equipment & Fleet Management	Page#
A.	Overview	13
B.	Fuels & Liquids Inventory	13
C.	Snow & Ice Control Fleet	13
D.	Major Equipment Purchases	13
IV.	Buildings & Grounds Department	Page#
A.	Overview	14
B.	Canfield Casino & Congress Park	15
C.	Waterfront Park	17
D.	Music Hall	17
E.	Water Spray Parks	17
F.	9-11 Sculpture	17
G.	Electricians	18
V.	Solid Waste Department	Page#
A.	Yard Waste & Composting Program	19
B.	Transfer Station & Recycling Center	20
C.	Hazardous Waste	20
VI.	Water & Sewer Department	Page#
A.	Water Supply & Treatment Plants	21
B.	Water Modeling	24
C.	Water & Sewer Infrastructure	24
D.	Water Service Lines & Emergency Repairs	26
E.	Storm Sewer Cleaning	26
F.	Expenditures Breakdown	27

VII.	Office of the City Engineer	Page#
A.	Overview	28
B.	Project Design, Management & Construction Administration	28
C.	Assistance to Other City Departments & Boards	29
D.	Address Numbering System	29
E.	Annual Highway Inventory	29
F.	Surveying & AutoCAD Mapping	29

ATTACHMENT 1

2015 DPW Fleet

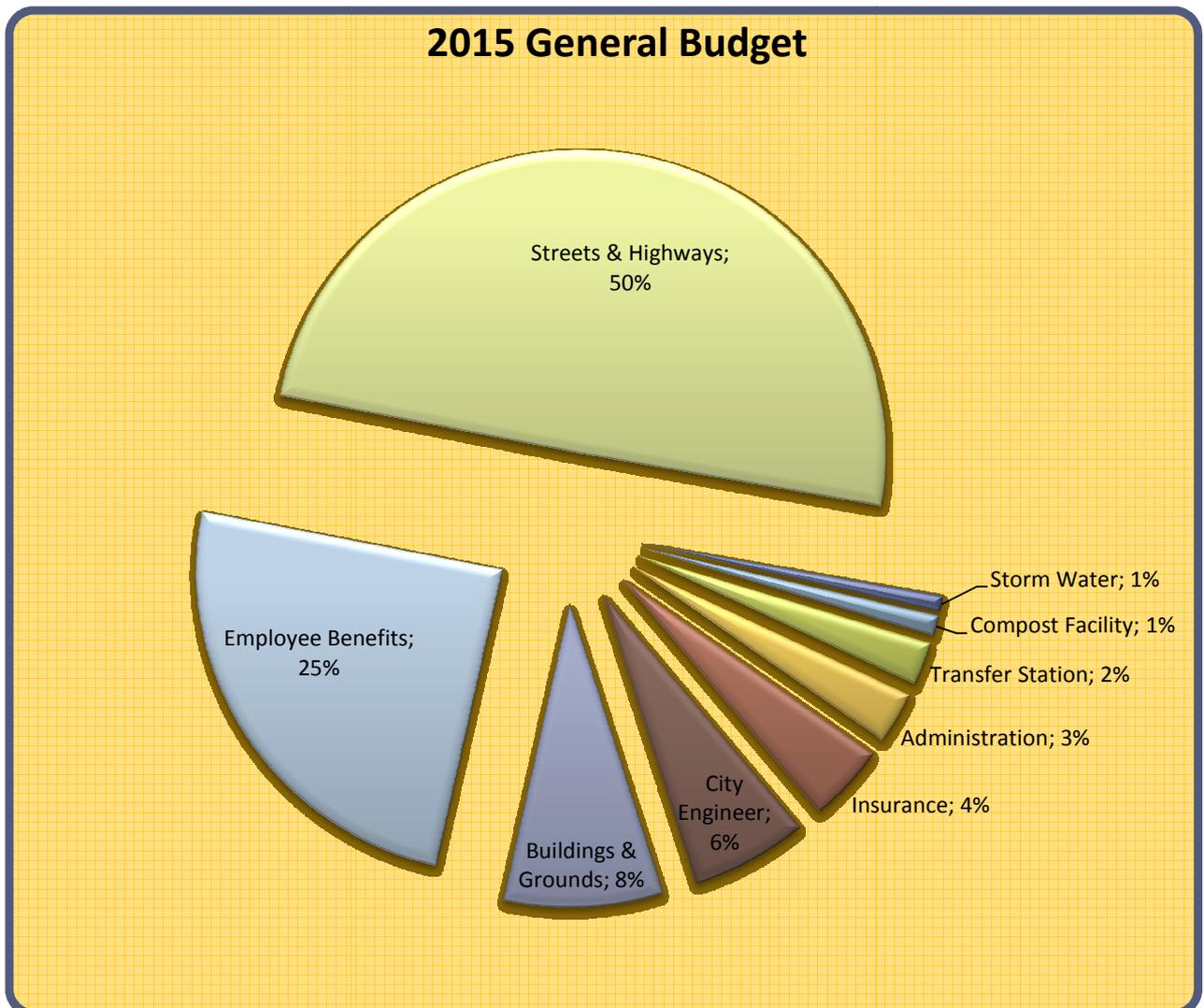
ATTACHMENT 2

Awards

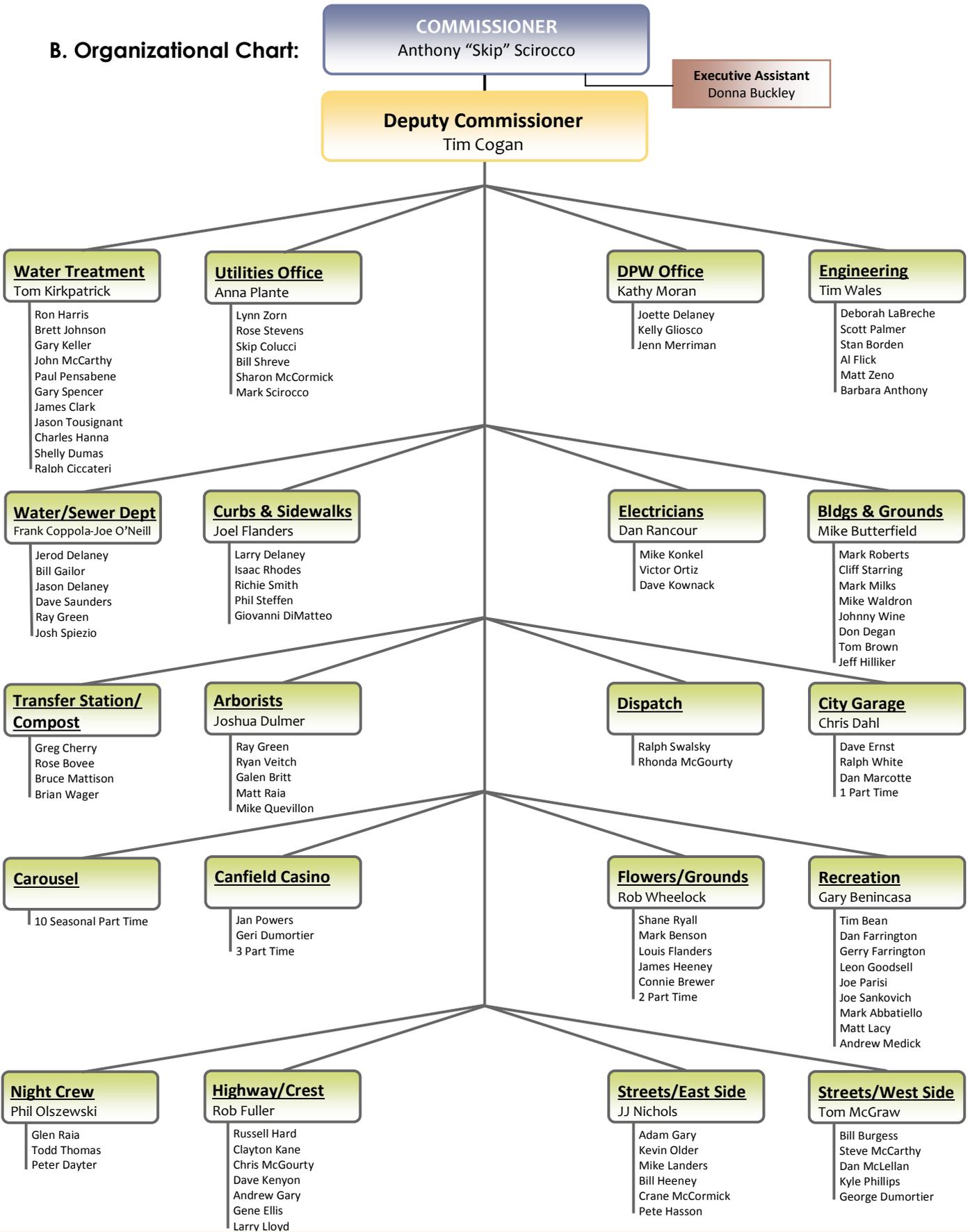
INTRODUCTION

A. Expenditures Breakdown:

The following report represents the activities of the Department of Public Works (DPW) for the year 2015. The current spending and organizational structures that make-up the City's DPW is depicted in the following charts:



B. Organizational Chart:



C. Overview:

Maintaining Saratoga Springs public right-of-ways to be safe, clean and green is an enormous undertaking. It requires several large DPW crews to be out in the streets, at all times of the day, with a deep familiarity of the neighborhoods they work in and an ability to develop strong relationships and communicate well with residents and businesses. As you read through the annual report, we hope to share the scopes of work that our crews perform every day – often with limited resources. DPW's responsibilities are generally described below:

- ❖ 146 miles of Inside District & Outside District Streets
- ❖ 250+ miles of Water, Sanitary & Storm Sewer Utilities
- ❖ 200+ DPW vehicles & equipment
- ❖ 3 Water Treatment Plant Facilities
- ❖ City Water Supply - 1 surface water reservoir, 1 secondary water supply, and 3 groundwater well fields
- ❖ 24 Sewer Pumping Stations & 8,200 sewer service connections
- ❖ 43 major Buildings/ Structures and Grounds
- ❖ 113+ City Owned miscellaneous parcels
- ❖ 1 Public Restroom
- ❖ 1 City Park including Carousel and 8+ historic fountains & statuaries
- ❖ 4 Recreation Fields & Playgrounds (East, West South & Geyser)
- ❖ 4 Water Spray Parks
- ❖ 7 Surface Parking Lots & Three Parking Decks
- ❖ 2 Indoor Skating Rinks
- ❖ 1 Indoor Recreation Facility
- ❖ 1 Transfer Station with Recycling Center
- ❖ 1 Compost Facility
- ❖ 1 Waterfront Park

Some of the operations and events which are managed by DPW City Hall staff include:

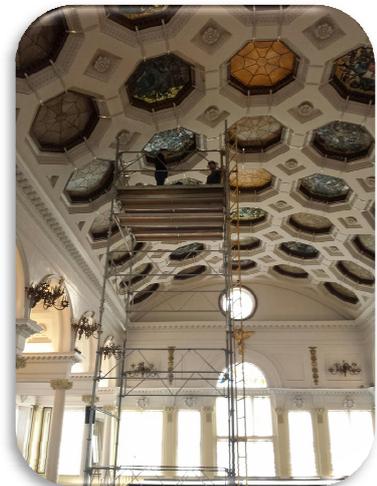
- ❖ Public Works Administrative Office
- ❖ Utilities Dept./Water and Sewer Billing
- ❖ Utilities Dept./ Field Coordinator and Underground Locating
- ❖ Engineering Department/Administration and Field Staff
- ❖ Music Hall Events - 3rd floor City Hall
- ❖ Casino & Carousel Events
- ❖ Farmers Market
- ❖ Project Review and Counsel to Land Use Boards

D. Honors and Awards:

**American Public Works Association Capitol District Chapter
2015 Award for Canfield Casino Ballroom Roof Reinforcing & Ceiling Stabilization**

DPW nominated this project in late 2015 for an APWA Capital Branch award and it was selected as the Project of the Year in the category of Disaster or Emergency Construction/Repair (under \$5M). The award recognizes outstanding projects representing the best in the Public Works profession. This is the second award of this kind for the Casino since it won in 2014 for the basement remediation project. DPW was recognized for its role in the project based on criteria such as good construction management techniques, schedule, unusual accomplishments under adverse conditions, exceptional efforts to maintain quality and cost savings, and extraordinary teamwork.

At the February 5, 2016 awards banquet, APWA announced that this project has also received a State level award for both the historical and emergency repair categories where it competed with the five APWA branches of New York State. (This does not include the NY City metropolitan area.) The Casino project was, by far, the smallest budget project submitted. This, in and of itself, was an accomplishment since the State award nominees are usually much larger budget projects. The Casino project will be recognized at the April 14th State APWA awards banquet in Syracuse. All State winners are automatically nominated for a National level award. That is one example of how the continuous funding and repairs underway at the Casino are rewarded. Thanks to the consistent attention the Casino receives from the Council and tax payers, this cherished historic structure will endure for generations to come. As expressed by APWA, "Everyone loves the site and the efforts that Saratoga Springs has made to restore it!"



Working Overhead from Scaffolding



New Channels in place to strengthen Casino Clerestory Walls & Roof



Difficult Access into Attic & Below Zero Temps

**American Public Works Association Capitol District Chapter
2015 Award for Spirit of Life Spencer Trask Memorial Restoration Project**



Memorial Prior to Restoration

In late January 2016 we also nominated the Spirit of Life Spencer Trask Memorial Restoration Project for a 2015 American Public Works Association Historical Restoration/Preservation award. The project was awarded the Project of the Year in the historical restoration/preservation under \$5 million category. The following are some of the criteria used during the selection process:

- Completion Date: June 2015
- Construction Schedule: July 2014 – June 2015

- Management:
 - Project was managed by the City Engineers Office, Lacey Thaler Reilly Wilson Architecture & Preservation, LLP and Martha Lyon.
- Unusual Accomplishments: There were plenty of adverse conditions. The masonry phase of the project progressed without unforeseen issue. Masonry work was tented and heated during freezing temperatures. However, the landscape scope was interrupted when it was discovered that a six story hotel had been demolished and spread out under the entire site. Nearly every excavation encountered buried brick and debris only 6 inches below grade. This required all spoils to be trucked offsite and new clean backfill to be brought in. Due to the poor subgrade conditions, the original utilities were laid only 6 inches below grade on the demolition debris. The current project included replacing all affected utilities at proper trench depth.
- Innovations: PCC Contracting was instrumental in matching the historic limestone as closely as possible with modern stone restoration products. They worked carefully around the priceless statue, covering it with layers of bubble wrap for protection. Mid-State was instrumental in staging the work so that different contractors could proceed at their designated times.
- Major Cost Savings: The project was completed using contributions, both financial and in the form of in-kind donations from local businesses such as sod, trees, plantings, light pole foundations, and gravel subbase. Change Orders were minor considering the high level of unknown conditions.
- Extraordinary Teamwork: Due to the demanding schedule, contractors worked in close proximity to one another during each phase of the work. Communication was critical as sod and plantings had to be installed immediately upon delivery. Mid-State and PCC were a pleasure to work with, were very organized and communicated with each other and the City at all times. There was a spirit of accomplishment at the June 26th dedication ceremony with much hand shaking and congratulations shared between team members.



Memorial After Restoration

Copies of the award notification letters are included in Attachment 2.

STREETS & HIGHWAYS DEPARTMENT

A. Overview:

Maintenance and repair of the City's roadways are among DPW's highest priorities requiring our year-round commitment. Whether undertaking an aggressive paving and resurfacing program or developing improved procedures for patching City streets, DPW has made great progress in maintaining and improving the overall condition of the City's roadways. In addition, as required in the City Code, DPW crews also oversee the installation and maintenance of sidewalks, curbs, and street name signs around the City.

Unlike many other area cities, the Saratoga Springs DPW performs quality work involving most street reconstruction or resurfacing without relying on outside contractors. Performing these activities in-house results in significant savings to the City and offers a sense of pride and accomplishment for the Public Works crews. DPW continually strives to meet the needs of the Americans with Disabilities Act and is working hard to systematically replace non-compliant pedestrian curb ramps with new ADA compliant ramps along the main City corridors.

B. Paving Program:

The Consolidated Local Street and Highway Improvement Program, known as CHIPS, provides State funds to municipalities for support of construction and repair of highways and bridges not in the State Highway system. These monies are received from the State as a reimbursement to offset program eligible costs for street capital improvements including reconstruction and paving of City streets. For the year 2015, the City was eligible for, and received, full CHIP's program funding in the amount of \$721,237.19.

The DPW Resurfacing Program consists of pavement resurfacing, road base repair, curbs, gutters, storm sewer basins, sidewalks, and pedestrian curb ramp construction. DPW will repave, repair, and reconstruct various street segments throughout the City to ensure safety in the public right-of-way for pedestrians; and all vehicles, such as transit buses, cars, trucks, and bicycles.

In addition to maintaining 290 lane miles of streets, parking lots, downtown City building sidewalks and other downtown parcels, DPW undertook the following activities:

2015 CHIPS Paving Projects		Project Cost
Beacon Hill Drive	Meadowbrook Drive to Winding Brook Road	\$19,840.80
Brookview Drive	Staffords Bridge Road 950 feet	\$19,540.51
Broadway	Lake Avenue to Division Street	\$68,517.79
East Avenue	100 feet from Route 50 to East Avenue	\$42,482.81
Case Street	George Street to Mitchell Street	\$11,169.86
Snyder Lane	Mitchell Street to East Avenue	\$11,169.86
Circular Street	Lake Avenue to High Rock Avenue	\$71,900.20
Hamilton Street	Congress Street to Ballston Avenue	\$69,300.18
Marion Place	Lake Avenue to Caroline Street	\$45,785.27
Clinton Street	Van Dame Street to Clement Avenue	\$69,022.46
Longwood Avenue	Roberts Lane south 1250 feet	\$37,016.77
West Avenue	Route 50 north 2250 feet	\$80,074.67
Hathorn Boulevard	Ferndell Spring Drive to Hutchins Road	\$41,994.62
Benedict Street	Grand Avenue to Ash Street	\$18,459.44
TOTAL CHIPS REIMBURSEMENT REQUEST		\$606,275.24

C. Railroad Run & Spring Run Multi-Use Trails:

The Railroad Run Trail is one of 1,600 rail-trails supported by Rails-to-Trails Conservancy, a nonprofit organization working to create a nationwide network of trails from former rail lines and connecting corridors. Previously an unused railroad corridor through the City, this "rail-trail" is now a great place to walk and bike in Saratoga Springs. DPW continues to provide maintenance of the trail.

Spring Run Trail was constructed in 2010 and is an off-road, handicapped accessible pedestrian and bicycle loop trail along the Victorian-era railroad bed and fault line of historic natural springs. Historic elements and features have been incorporated into the trail design, including reusing the stone bridge abutments at Excelsior Springs Avenue, placement of retaining wall tones along the trail's edge, and the original railroad mileage markers can still be seen along the trail. The trail is owned and maintained by the City of Saratoga Springs. Currently, the trail extends 1-mile from East Street just south of Excelsior Avenue to I-87 near Exit 15. The long term conceptual plan is for the trail to begin in Congress Park, run along city streets through High Rock Park to Warren Street, and eventually through a tunnel beneath the Northway. This would allow the trail to connect to the Weibel Avenue ice rinks and soccer fields and eventually out to Bog Meadow Brook Nature Trail.

D. Seasonal Maintenance:

In addition to the activities associated with the annual street resurfacing program, the DPW Streets & Highways Division accomplishes a multitude of seasonal tasks. These routine and emergency tasks generated a total of 236 street opening permits in 2015:

Hot Mix Blacktop Patching

Broken water and sewer pipes can cause street cave-ins and roadway depressions also known as sinkholes, which are public safety hazards. This task also involves normal restoration projects associated with pavement cuts caused by private contractors doing work in City streets. During 2015 the DPW was responsible for undertaking 65 street repair projects related to water and sewer repairs and depressions in the roadways. DPW was also responsible for the temporary repair of potholes during the winter season until weather conditions allow for permanent repairs.

Snow & Ice Control

Winter maintenance activities are typically performed under the most demanding conditions. Preparation of equipment and organizing manpower are basic to our success in snow fighting. Designated employees receive storm warning notifications and issue mobilization orders. DPW crews use designated route assignments to accomplish plowing and deicing in the most efficient manner based on the type of storm and required level of service.

An additional task under demanding weather conditions is the removal of snow from downtown City streets where adequate space is not available to accommodate on-site storage. Procedures for loading and transporting snow must be followed all while minimizing the impact to the drivers, businesses and residents in the vicinity.

Tree, Planting, Pruning and Maintenance

Trees are one of the most cost-effective parts of our urban infrastructure. They have a direct positive effect on our economy, environment and health. Trees save energy, reduce pollution and sequester carbon. They increase property values and the profitability of restaurants and retail businesses. Trees beautify our city as well as provide shade to consumers and residents alike. They also provide habitat for wildlife. Our city contains thousands of trees in parks, tree lawns, Right of Ways and easements. Maintaining a crew of professional tree care specialists cuts down on the costs of maintenance, planting and removal. Our four man tree crew is led by ISA Certified Arborist Joshua Dulmer. Mr. Dulmer is the first professional Arborist to be employed by Saratoga Springs Department of Public Works.

Street Cleaning & Graffiti Removal

Depending on a variety of factors, maintaining the cleanliness of the City's streets is also a 3 season operation and an on-going task. The clean-up of winter sand, accumulated along City streets, is performed using the department's two mechanical sweepers. The process takes several weeks to complete. Street sweeping is also an important part of the City's Storm water Pollution Prevention Program (MS4) as it keeps sand and other street debris from entering the municipal storm sewer system.

To keep the City free of blight, DPW monitors its properties and removes any defacing graffiti.

Curb Side /Yard Debris Pick-Up Program

From early spring through late fall, this City-wide program offers residents the opportunity to place containers of leaves, grass clippings, tree branches, and other yard debris at their roadside for pick-up by DPW crews. The objective is to reach each neighborhood, both inside and outside districts, at least once during every two-week period. This material is then transported to the DPW Compost Facility on Weibel Avenue. The composting process, which is conducted in-house, produces an environmentally benign product that is then sold as high quality mulch to residents, generating revenue from waste. Additional information is included below in Section V under Solid Waste.

DPW's Tree Department continues its "Dutch Elm Disease Sanitation Program". This program consists of several working parts. First, and most important, is the prompt removal and disposal of any DED infected American elm trees within the working jurisdiction of the city. This program also employs a proactive stance by preventative inoculations with a systemic anti-fungal to prevent transmission of DED into large healthy American Elms. Part of the preventative maintenance is for the pruning of these trees to be done during dormancy. A number of large remaining American Elms are also under an observation schedule to provide quicker reaction times for problems that may arise. Rounding out the program is the reforestation and planting of disease resistant American elm varieties.

The Tree Department works with local group, Sustainable Saratoga, to promote and expand our population and diversity of trees. This partnership spreads information about the positive value of trees provided to the community. The tree department is now taking a more scientific approach to reforestation. Using recent statistics and gathered data they can better determine types of trees and locations. Invasive species are no longer permitted for planting. Areas lacking suitable canopy coverage are now targeted for planting. Areas with excessive concrete are reviewed for possible installation of new tree lawns. We continue to cut and remove areas of concrete allowing many new tree lawns to be installed in the downtown district.

A "Clearances Program" is also followed to maintain safe clearance distances from traffic, driveways, sidewalks, yards, homes and power lines. This program allows for a proactive approach to tree care. Certain areas are targeted at certain times throughout the year. This allows for inspection of trees as work is done. Work is also scheduled on a reactive platform through residential calls and emails. The DPW works closely with National Grid on energized line clearance projects. This close relationship ensures a high level of pruning and overall tree care that our residents deserve.

Our Tree Department has protocols in place for quick reactions to tree emergencies that may arise due to a myriad of possible factors including but not limited to inclement weather. These types of emergency situations often result in downed trees or limbs obstructing the roadways. The Street Department assists with issues requiring heavy equipment operators for large wood removal.

First priority for the Tree Department is public safety. Once identified, tree issues threatening public safety are promptly addressed. Issues may range from loss of visibility for pedestrians or motorists to large dangerous trees posing a high degree of risk. In line with our adopted Urban Forest Master Tree Plan, trees are only removed if they pose a significant threat to public safety or if the control of disease within the specimen is not a viable option. Sometimes a tree can pose a threat to property as well.

Tree care and maintenance is a process that requires knowledge, dedication, skill and the ongoing will to learn. We have in place the proper policies and techniques ensuring our return on investment will continue to outweigh the cost.

E. Beautification:

DPW is the force behind beautiful public spaces in Saratoga Springs. This responsibility includes numerous public gardens located on City owned property. DPW is continually



working to keep these important open spaces free of illegal dumping and other unhealthy activities to improve the quality of the neighborhood. We maintain a high standard of cleanliness by setting out each day to address issues that affect the quality of life in the City and keep streets clean and inviting for residents, customers and other visitors.

For example, DPW crews landscape, mow, weed and water Congress Park, two cemeteries, the Farmer's Market, the Visitors Center, the Senior Center, the Arts Council, South Broadway and Union islands and the length of Broadway. We plant in excess of 60,000 annual plants including Hathorn Spring. During the fall the flower crew plants thousands of tulips. In addition, DPW is responsible for the mowing of four recreation fields.

Holidays in the City are celebrated by lighted decorations hung by the DPW flower crew along Broadway, Congress Park, City Hall, and the Visitor Center, and trees around the Canfield Casino. Evergreen wreaths are made in-house by talented staff to decorate downtown poles with lights, red bows and green garland. A Menorah and other festive holiday decorations are placed in and

around Congress Park. DPW continues to "go green" by expanding its use of new LED bulbs



when possible to light the City's Christmas trees.

In 2015 the Downtown Special Assessment District purchased \$5,000 in new Christmas decorations which are installed along Broadway by DPW forces. The SAD also purchased \$4,000 in new trash receptacles for the Broadway corridor. Workers and patrons have comments on the high quality and ease of use of these new bins. The following are some additional DPW sponsored programs which add to the beauty and sustainability of the City:

- Flag banner program that generates \$10,000 in revenue. Local organizations purchase colorful banners which are hung on the decorative street lights.
- Memorial Bench Program – Saratoga Springs has a bench program that generates revenue for the City to purchase benches for the City streets and parks. Benches can be purchased from DPW with plaques to honor the deceased. These are installed by DPW on Broadway and Congress Park.
- Horse head bicycle racks

F. Public Right of Way Management:

In the interest of public safety and convenience and to protect public facilities, DPW continually monitors the activities within the City's public right of way along the City streets. This includes items such as issuance of permits for underground and aboveground work, utility locations, and inspections. Street Opening permits control the construction, alteration, installation and occupied uses in accordance with applicable City Codes and standards. This also provides the opportunity to confirm that proper insurance is in place by the applicant. All public and private paving and construction projects are required to provide ADA compliant curb ramps, giving priority to locations requested by the disabled.

G. Street Acceptance:

Another responsibility of the DPW administration is the duty of street acceptance. Typically when a new residential development is created and a subdivision map is approved, there are new roads added to the inventory. Once City planners and engineers approve the developer's as-built plans, the map is filed, and the proposed roads are dedicated to the City. It is DPW's charge to ensure that the new streets are built to proper City standards.

H. Safety Training:

In 2015 DPW continued its safety training activities within the department's workforce. The sessions were conducted by the City's Director of Risk & Safety and focused on personal protective equipment. A survey was conducted with DPW foreman and laborers and equipment was purchased associated with the survey results.

I. Storm Water Pollution Prevention Training:

DPW field staff employees routinely receive in-house training focused on storm water pollution prevention as part of the City's Municipal Separate Storm Sewer System (MS4) Program. In 2015, 71 employees attended a one hour training session which included discussion as well as a video on stormwater management and green infrastructure. Topics for discussion include: Hazardous Materials Spill Prevention and Cleanup, Erosion & Sediment Control During Construction, Pesticide and Fertilizer Application, and Identifying Illicit Discharges & Other Sources of Storm Water Pollution.



EQUIPMENT & FLEET MANAGEMENT

A. Overview:

Routine repair, replacements, preventative maintenance, inspections, fleet inventory management, parts inventory, tools inventory, fuel inventory, safety and condition assessments, and emergency repairs are just some of the responsibilities of the DPW City Garage. DPW mechanics must maintain appropriate training, licenses, and certifications such as those required by the NYSDOT, air emissions, and commercial drivers licenses (CDL) in line with the functions of the job. In addition, the DPW garage analyzes equipment costs and defines replacement cycles, drafting purchasing specifications, and procuring all mechanized equipment. Attachment 1 includes a list of the 2015 DPW Vehicle List that is managed by the DPW garage which includes over 200 running engines.

B. Fuels and Liquids Inventory:

The DPW garage is responsible for managing and tracking the use of fuels, oils, lubricants and automotive fluids meeting all applicable environmental regulations. Gallons of fuel are continually tracked to determine any variance from recorded inventory levels. This reconciliation assists in determining fuel leaks. DPW must constantly monitor the above ground storage tanks containing gas, diesel, and various oils in accordance with Petroleum Bulk Storage and permit regulations.

C. Snow and Ice Control Fleet:

Central to our ability to respond quickly and efficiently to winter storm conditions is having available the necessary equipment to do the job. Over the years, DPW has taken pride in its fleet maintenance procedures for trucks and equipment that are used all year. Proper calibration of spreading equipment is necessary to maintain the spreader settings that produce the correct application of deicing material within the guidelines of the State agencies.

During the winter season, DPW maintains various pieces of heavy equipment used for snow removal operations which typically includes: a Vohl Snow Blower, 2 Road Graders with Wing Plows, 4 Wheel Loaders, 6 Dump Trucks with Plow and Spreader, 7 Dump Trucks and Wing Plow and Spreader, 5 Dump Trucks with Plows. Also, key to our winter operation is the fleet of pick-up trucks with plows that work in tandem with the larger pieces of snow removal equipment.

D. Major Replacement Purchases:

DPW demonstrated their commitment to cost conscious spending in 2015 by trading in the aging units for the following major pieces of equipment:

- One (1) 2015 Caterpillar 420F2 Backhoe
- One (1) 2014 International Terrastar Truck with Dump and Plow
- One (1) 2016 F350 Dual Pickup Truck
- One (1) 2013 used Ford Escape SUV
- Two (2) 2015 Ford F250 Pickup Trucks

BUILDINGS & GROUNDS DEPARTMENT

A. Overview:

The goal of DPW is to preserve and maintain all City owned facilities in a manner that provides a safe and efficient environment for City functions. Proper maintenance of facilities includes preparation of capital funding allocations for long and short term building and space needs. A conditions assessment is followed for all facilities maintained and updated on a regular basis.

Regular fire inspections for code compliance and fire hazard identifications are managed by DPW through the use of a professional fire sprinkler firm. DPW provides custodial programs for all facilities, excluding those maintained by the Public Safety Department. Supplies are inventoried and stored as needed for City operations.

The following lists the majority of extensive facilities and structures which DPW is responsible for operating and maintaining. Many are listed on the National Register of Historic Places:

Assets

- ❖ Excelsior Ave. Water Filtration Plant
- ❖ Geyser Crest Water Treatment Plant
- ❖ Interlaken Water Treatment Plant
- ❖ Bog Meadow Secondary Water Supply Pump Station
- ❖ 25 Sanitary Sewer Lift Stations
- ❖ Putnam Street Parking Deck
- ❖ Woodlawn Avenue Parking Deck
- ❖ Long Alley Parking Garage
- ❖ City Hall
- ❖ Arts Council
- ❖ Franklin Community Center
- ❖ Senior Citizens Center
- ❖ Visitors Center
- ❖ City Center (operates under City Center Authority)
- ❖ Canfield Casino
- ❖ Congress Park
- ❖ The Carousel
- ❖ "Spit and Spat" Marble Statues and Reflecting Pool
- ❖ Italian Gardens Statues
- ❖ Mineral Springs and Gazebos
- ❖ "The Reservoir" Fish Pond at the Casino
- ❖ Rose Fountain
- ❖ Spirit of Life Bronze Statuary & Reflecting Pool
- ❖ "Night & Day" Urns
- ❖ War Memorials & Veteran's Walk of Honor
- ❖ Farmers Market Pavilions & Gazebos
- ❖ 9-11 Memorial
- ❖ Waterfront Park on Saratoga Lake
- ❖ High Rock Park Restroom
- ❖ Indoor Recreation Facility
- ❖ Geyser Park Recreation Facilities and Building
- ❖ 4 Interactive Spray Parks
- ❖ Weibel Ice Skating Arena
- ❖ Vernon Ice Skating Arena
- ❖ Compost Facility and Office Building
- ❖ Transfer Station & Recycling Facilities
- ❖ DPW Garage, Dispatch & Fuel Facilities
- ❖ DPW Carpentry Shop
- ❖ DPW Sheds
- ❖ Weibel Ave Garage
- ❖ Geyser Park Garage
- ❖ Landfill Site

B. Canfield Casino and Congress Park:

Canfield Casino

The Canfield Casino serves as one of Saratoga Springs' most popular destination points for various parties, banquets, weddings, public and private events special to our City. Unique to this historic building is the fact that it is available for use by the general public in accordance with a schedule of rental charges. Increased public usage of this historic City treasure also places increased demands on the Public Works staff, which is responsible for the day to day operation. Critical to our success at the Canfield Casino, is the small dedicated support staff. This staff operates and oversees the Casino building and is also responsible for much of the outside maintenance work throughout the surrounding Congress Park.

During the year 2015 the Canfield Casino booked 108 events, a fifteen percent increase from 2014. Special chair rentals increased by twenty-eight percent with \$5,341.62 in extra revenue. The monies generated by the Canfield Casino are used to offset expenses to the City's taxpayers. In addition, many outside events were held in Congress Park such as the annual Shakespeare In-The-Park, 4th of July celebration, summer concerts, and Arts and Crafts shows.

Carousel

2015 marked the thirteenth year of operation of this magnificent one-of-a-kind historic Carousel. During the early spring season, DPW performs a scheduled maintenance and repair of the Carousel's mechanical operation and security system. Skilled DPW staffs pay special attention to the condition of the painted surfaces of the historic Carousel horses.

The Carousel hosted approximately 35 special events for the general public and 7 schools in 2015. The total revenue generated by the Carousel in 2015 was \$53,931 hosting approximately 53,931 riders not including weddings, school children and special events, the highest use since its construction:

Carousel Revenue Collected	
Year	Amount / Riders Hosted
2010	\$50,392 / 50,392
2011	\$49,000 / 49,000
2012	\$50,828 / 50,000
2013	\$55,094 / 55,094
2014	\$51,802 / 51,802
2015	\$53,931 / 53,931

The Mineral Springs

The City's natural mineral springs have been attracting summertime visitors for over 200 years. These springs were believed to have healing powers and are famous for their varied and distinct tastes. Visitors are welcome to bottle the spring water for personal consumption. DPW maintains these historic springs which are covered by highly ornate pavilions and marked by plaques.



Hathorn Spring

Spit and Spat Reflecting Pool Restoration

In 2015 DPW carpenters spent several weeks restoring the reflecting pool concrete basin at the Spit and Spat fountain. They removed layers of old paint and peeling coatings, filled cracks and sealed the surface with concrete slurry, making it watertight. The coping stones around the perimeter were also re-secured.

Veteran's Walk of Honor

This patriotic program was started in 1999, featuring a sidewalk of bricks engraved with the names of local war veterans to memorialize their names in front of the Congress Park War Memorial. The walkway is an extension of this important space where the City holds patriotic dedication ceremonies and gatherings with music, various speakers and refreshments. DPW oversees this ongoing program by offering a veteran's family and friends an opportunity to purchase a brick for \$50. To date, over 2,000 bricks have been dedicated. The bricks are engraved with the Veteran's name, rank and branch of service.

Proceeds from the sale of the memorial bricks are used to fund future maintenance and upkeep of the War Memorial.



Native Dancer Park

In 2015, horse owners/philanthropists Marylou Whitney and John Hendrickson created the Native Dancer park at the intersection of Union Avenue and Circular Street and donated it to the City as a gift for its 100th birthday. This landscaped park includes a lighted fountain with 5 heads and a bronze statue of Native Dancer race horse. The park was built by Bonacio Construction. DPW is in charge of maintaining the fountain's filter system, winterization and maintaining the flowerbeds to welcome visitors at the City.



C. Waterfront Park on Saratoga Lake:

Through the efforts of the DPW and the Mayor's Office, the City's Waterfront Park on Saratoga Lake was opened to the public in August of 2012. The park was formerly the Waterfront Restaurant on the northwest bank of the Lake with access on Crescent Avenue, across from Cassidy Drive. The City purchased the property in 2006 with \$2 million in open space bond money. The goal is to make the Waterfront Park as usable as possible to the taxpayers within the limited budget.

D. City Hall Music Hall:

- ❖ The Music Hall is a historic civic asset and a lively home for numerous arts and local organizations. The third floor of City Hall is a beautiful location with seating for 300 people. DPW operates the activities and provides staff to help with maintenance.

Some of the on-going events include:

- ❖ SAVOY Swing Dances (occur every third Friday of the month)
- ❖ Johnny Cash Country Show Concerts
- ❖ Dance Flurry In February
- ❖ Weddings
- ❖ Community Celebrations
- ❖ Bar/Bat Mitzvahs
- ❖ Saratoga Children's Theater

E. Water Spray Parks:

DPW oversees the summer operation of four interactive fountain parks which provide a free spot for kids of all ages to cool down. Through the use of computerized controllers, there is no need for lifeguards and water only flows when children are present. The four parks are located at Geyser Park, and at the West, South and East Side Recreation Areas. Spray parks are not maintenance free and must be inspected and maintained to be sure the park is being used properly and the area is free from any debris or potential hazards. All component surfaces and nozzles are checked for signs of damage.

F. 9-11 Sculpture:

"Tempered by Memory" is a memorial constructed out of steel beams taken from the wreckage of the Twin Towers following the terrorist attacks of Sept. 11, 2001. The steel was assembled into the memorial by a pair of Saratoga County artists and paid for by Saratoga Arts, which donated it to the City at a formal dedication. The artists completed the 9-11 Memorial together with a volunteer team of iron workers, crane operators and a broad range of community-wide support. The sculpture and surrounding setting at High Rock Park is another important City treasure now under the care of DPW. The City holds special memorial ceremonies at the base of the memorial to remember the brave men and women who have made the ultimate sacrifice for their country.

G. Electricians:

DPW maintains a skilled electric crew responsible for repair and maintenance of City owned facilities. The following is an overview of their responsibilities and activities for the year 2015.

- ❖ Replaced 12 Sternberg lights that were knocked down
- ❖ Fixed 142 Street lights that were not working
- ❖ Took over responsibility for 38 Sternberg LED lights: 25 lights at Ballston Ave, 3 lights at 52 Marion Ave, 8 lights at 2 West Ave, 2 lights at 118 Catherine St.
- ❖ Installed new lighting at the Waterfront Park
- ❖ Upgraded existing Sternberg lights around the Spirit of Life with 17 LED lights
- ❖ Upgraded Geyser Crest concession stand power by replacing main electrical panel and all receptacles
- ❖ Upgraded City Hall elevator smoke alarms and connected to fire alarm panel
- ❖ Installed lighting at High Rock Spring and ran power for new spring
- ❖ Upgraded Ball One motor starters to Allen Bradley SMC controllers
- ❖ Replaced Lake Ave pump, Ball 1 pump, Ball 2 pump, and Lexington pump
- ❖ Replaced broken underground wiring for Quad 1 pump station
- ❖ Installed power for lighting North Broadway sign

They are responsible for preventive maintenance, installation, care, and repairs of:

- ❖ 24 sewage lift stations and associated alarm circuits: Biweekly operational check of all stations and alarms
- ❖ All city outdoor lighting at all properties, 24 Route 50 lights by SPAC, and 1,197 Sternberg decorative lights
- ❖ 21 emergency generators at City Hall, Senior Center, Geyser water plant, Interlaken water plant, main water plant, City garage, dispatch, Recreation Center, Casino, Portable, and at sewage pump stations
- ❖ All City owned buildings, park, and recreation fields: outdoor lighting, indoor lighting, emergency lighting, power, all electrical equipment, and running of computer lines
- ❖ All mineral springs and fountains in ponds
- ❖ Marks all electrical utilities for DSNY notifications
- ❖ Orders all materials and maintains inventory of all electrical equipment
- ❖ Supervision of City's energy management system, control of heating of City Hall, control of heating and AC at Casino, water plant heat, and Recreation Center heating and AC
- ❖ Putting up and taking down of all Christmas wreaths in downtown area, helping Flower crew with Christmas lights in front of Casino, putting flower baskets up in Spring and taking down in Fall
- ❖ Snow removal on streets and clearing of all pump stations, mowing at all pump stations and Geyser Crest Well field
- ❖ On 24 hour call to respond to all electrical emergencies including flooded pump stations, deco lights being knocked down by accidents, heat, and power issues

SOLID WASTE DEPARTMENT

A. Yard Waste & Composting Program:

As indicated above under seasonal maintenance, the City's Yard Waste Program has earned the reputation as one of the best municipal composting operations in New York. This Public Works sponsored program has developed into an important City service that nearly every City resident depends on.

From early spring through late fall, DPW street crews provide a valuable service to all City residents by picking up all rakings, mowings, trimmings and weeding placed at curbside. This program has a few basic rules:

- ❖ April 15 through September 31 - All yard waste material must be placed at curbside in a reusable container or biodegradable paper bag.
- ❖ All yard waste material must be in the form of leaves, grass clippings or tree limbs cut in lengths shorter than four feet.
- ❖ October 1 until the snow falls - Materials may be placed loose by the curbside for pick up.

This yard waste is transported to the City's Weibel Avenue Compost facility and stock-piled. It is then ground and shred into a rough-cut mix of raw (or green) compost material utilizing the City's large tub grinder machine. The raw material is then placed in large windrows on the compost pad where it undergoes its natural process of bacterial decomposition.

Periodic turning of these large windrows is necessary to allow proper oxygenation to take place throughout the compost mix. Water is also added, especially during dry periods, to facilitate the natural decomposition process of the compost material. Considering that this cycle takes approximately a year to complete, in the spring of 2015 yard waste material collected in 2014, was ready for final processing into a fine, high quality, black compost material. This is accomplished by screening the aged compost material through a large scale trommel type machine specifically designed to remove and separate out any unwanted or large pieces of foreign material.

2015 Compost Distribution	Use in Cubic Yards
Individual Sales to area residents & businesses	1,973
Public Works Projects	140

While this Public Works sponsored program was initially established in 1995, as an alternative to the land filling of yard waste materials, the program has generated substantial revenue for the City. The sale of compost material during the year 2015 was at \$44,710, which helps to offset program costs.

10 Year Compost Revenue Collected	
Year	Amount
2006	\$58,290
2007	\$82,307
2008	\$91,602
2009	\$55,596
2010	\$47,807
2011	\$65,652
2012	\$66,568
2013	\$52,408
2014	\$47,042
2015	\$44,710
10 Year Total	\$611,982

B. Transfer Station & Recycling Center:

The Saratoga Springs Transfer Station serves the residents of the City of Saratoga Springs as well as other surrounding communities and is operated by DPW. The facility became operational in 1995 for use as a transfer station after the City landfill was closed. The Transfer Station Facility primarily consists of a waste drop-off area where bagged and other non-recycled waste is deposited into a large stationary trash compactor. An adjacent small office building provides space for a DPW attendant to oversee operation of the compactor and provide service to the public. In 2015, the transfer station processed an average of 2.6 tons of waste material per day of operation or approximately 80 tons per month. Revenue generated from the sales of trash bags for 2015 was \$152,239.85.

In February 2015 DPW entered into an agreement with Saratoga County for DPW to take responsibility for the recycling operation that had previously been operated by the County. The County remains responsible for the removal of all recyclables from the site and they have contracted with a private hauler to do so. In addition, the County compensates the City \$35,000 annually for the operation of the Recycling Center.

The Transfer Station and Recycling Center operates on Weibel Avenue from 8:00 am to 3:45 pm, Tuesday through Saturday.

C. Hazardous Waste:

Every other year Saratoga Springs has a Household Hazardous Waste Day, which is reimbursed 50% through a grant from NYSDEC. The Hazardous Waste Day allows Saratoga Springs City residents to get rid of harmful toxic substances and pollutants that can eventually end up in our watershed. This event will be continued in 2016.

WATER & SEWER DEPARTMENT

A. Water Supply & Treatment Facilities:

One of the most important functions of the City's Department of Public Works is the responsibility to operate and maintain the City's water delivery system and treatment facilities. Keeping these facilities up-to-date and in excellent operating condition is critical to the needs of our community and remains a top priority for the administrators of DPW.

Excelsior Avenue Treatment Plant

The Excelsior Avenue Treatment Plant has been the main treatment facility for the City since it was built in 1935. Prior to 1979, when the Geysers Crest system was purchased, it was the sole Water Treatment Plant for the entire city. Over the years the DPW has undertaken several capital improvement initiatives designed to upgrade and improve various treatment processes within the plant.



**Figure 4: Workers building the settling basins
1935**

The basic treatment processes and procedures involved in treating Loughberry Lake water for human consumption may be referred to as conventional, or traditional. The processes done at the Excelsior Avenue facility include coagulation, flocculation, sedimentation, filtration, disinfection and fluoridation. The coagulant used is polyaluminum chloride. Sodium permanganate replaced activated carbon for taste and odor control in the summer months. Fluoride is added at 0.7 Mg/L for

prevention of tooth decay and copper sulfate is added directly to the Lake during summer months for algae control. Primary disinfection is attained through the application of UV light with sodium hypochlorite used for secondary disinfection.

The 2006 ultra-violet light (UV) system meets the new, stricter, EPA and NYSDOH regulations for disinfection by-products. As a result of the new EPA regulations, pre-chlorination had to be discontinued, which created the problem of algae growth in the settling basins. This was remedied by the application of sodium permanganate. The addition of this chemical was hoped to be eliminated or at least be reduced by the installation of a cover on the sedimentation basins. Lack of money in the budget has prevented this from moving forward.

Water quality standards require turbidity and chlorine residual to be monitored continuously. Color, temperature, pH, alkalinity, hardness, fluoride and distribution turbidity are tested daily. Water quality bacteriological (total coli form) tests are routinely performed throughout the entire distribution system. Additionally, total organic carbon is tested monthly and disinfection byproducts are tested each quarter. The annual requirements for testing of nitrate, primary inorganic chemicals, principal organic chemicals, synthetic organic chemicals, asbestos, lead, copper and radiological elements are also performed. During 2015, the City met all drinking water quality conformance standards as set forth by state and federal guidelines. Additionally, we are proud to say the City has never violated a

maximum contaminant level or other water quality statement set by the state or federal guidelines.

In compliance with an administrative order of the NYS Dept. of Health, a new 1500KW emergency generator, which began in 2014, was completed in 2015; the emergency generator is now on line and ready to provide power for the entire electrical load of the Water Treatment Plant. This will ensure that the City is supplied with safe potable water, with sustained pressure, in the event of a prolonged power outage. Prior to its installation the City was dependent on a 5 million gallon storage tank, which supplied the City by gravity, in the event of power loss. Though that may have been sufficient in 1935 when the plant was built, it has long outgrown its adequacy with pumping totals at times exceeding 7.5 million gallons per day. The immense size of this generator will supply the plant with enough power to run at its maximum rate if it needs to.

In addition to the Loughberry Lake water supply the City depends on the system of wells located in the City's Geyser Crest neighborhood and also the Interlaken well system located in the Interlaken

development. These wells supply the two developments and also supplement the Loughberry Lake water supply system in the inner City. Both of these systems are subject to the same strict water testing regulations set by NYSDOH. In addition, the Bog Meadow pump station and the 20 inch raw water main into Loughberry Lake supplement the water supply during the summer season when there is an increased demand on Loughberry Lake.

The Excelsior Avenue Water Works has hosted many tours of the plant in the past year, as it has done for many years. The groups requesting tours have ranged from Cub Scouts, college students, to senior citizens. It is nice to know educators in our City take the time to teach our young people the importance of water treatment and conservation. It is truly astonishing how knowledgeable the students are about the process and how well thought out their questions were during their tours.

During the year 2015, the highest single day water consumption for the entire City occurred on August 15, 2015, when 6.734 million gallons were used, a 7 percent decrease from 2014.

Interlaken Water System

As of 2005, the City acquired ownership of the Interlaken Water System from the Saratoga County Water Authority. The system is located within the Interlaken residential neighborhood off Crescent Avenue near Saratoga Lake.

There are three operating water wells and a new upgraded 60 kW Emergency Generator replaced the former 40 kW generator. This project was accomplished under contract with various construction contractors and in accordance with the engineering design and guidance of the City's water consultants Barton and Loguidice, P.C.

Also, associated with this project was the installation of 125 new "Radio Read" style

water meters throughout the Interlaken residential neighborhood. The result of this project enables the City to utilize up to 300,000 gallons of additional water per day from the three operating wells. This in turn will supplement the entire service area in this section of the City's water distribution system.

The Interlaken water system was completed and online in April 2007. The increasing iron levels in the Interlaken wells have necessitated the addition of an ortho/poly phosphate chemical to sequester the iron. This keeps the iron in solution to stop it from staining fixtures and to hinder other related aesthetic problems in the distribution system. The phosphate addition use was started in

November 2009. In 2011 it was discovered that the #2 well iron content was too high to sequester the iron. This well has been taken out of service, decreasing the capacity of the well field to 115,000 gallons per day. Discussions are going on at present as to the

feasibility of installing a green sand filter at the Interlaken plant. This will ensure the removal of the iron, allowing #2 well to be put back in service thus restoring the full pumping capabilities of the well field.

Geyser Crest Well System

In addition to the Loughberry Lake water supply the City also depends on the system of wells located in the City's Geysers Crest neighborhood. These wells primarily supply the Geysers Crest subdivision and adjoining neighborhoods in the Town of Milton with City supplied potable water. This well system also has the capability of supplying water if needed to the inner City system. While the Geysers well system represents a critical water supply source for the City's south west neighborhoods, serious draw-down impacts on the well system levels (especially during times of drought) have caused the City to initiate a ban on new connections to this system. This policy, initiated in 2002, remains in effect today.

The 2011 hypochlorite disinfection system provides sufficient chlorine contact time to satisfy the EPA Groundwater rule. The well pumps are equipped with variable speed

drives and motors to save energy use and the two buildings are insulated to reduce heating costs. The booster pump allows the transfer of water from the inner City system to the Geysers Crest system. This provides enough water to the Geysers Crest system should an emergency occur. Geysers Crest has the capability to also supplement the City system, lessening the strain on the Excelsior Ave Plant.

Water production and usage for the City of Saratoga Springs for the year 2015:

	TOTAL
Gallons pumped from Loughberry Lake to Excelsior Ave., WTP	1,377,300,000
Gallons pumped from Geysers Crest	207,575,000
Gallons pumped from Interlaken	30,801,000
Total demand in 2015	1,615,676,000

Bog Meadow Pump Station

The 2014 Bog Meadow Well Field Development and Pump Station Rehabilitation Project was completed in 2015. This too, was in compliance with an administrative order from NYS Dept. of Health. This project was initiated to ensure the City has an adequate source water supply in the event of a long term drought.

Bog Meadow Pump Station was constructed in 1964 to supplement Loughberry Lake in times of high usage. An impoundment was built on Bog Meadow Brook with the capability of pumping up to 2 million gallon per day directly to Loughberry Lake. In 1999 a connection off this line was made directly to the Water Plant for use to bypass Loughberry Lake if needed.

This project includes the development of three wells at the Bog Meadow site (a fourth well is drilled and available for future use). The water will be pumped from the wells into the existing transmission main, directly to the Water Plant (or to Loughberry Lake if desired). The well water will be blended with the water from the Lake which will significantly reduce the chemicals needed for treatment, due to its low turbidity and low disinfection demand. Also the surface water impoundment will be upgraded with new variable speed pumps, retaining its present pumping capabilities. The well field will supply 1.5 million gallons per day and can be run independently or in conjunction with the surface water pumps. By implementing the wells and pumping directly to the plant, they can be run all year long instead of just supplementing the lake in the summer.

B. Water Modeling:

The City continues to work with Chazen Companies on the water model for the City's distribution system, which was created in 2014. This is a valuable tool in determining directional flow and chlorine residuals in the system under varying conditions and flow rates.

The treatment of the City's water supply is a 24 hour-a-day, 365-day operation. Constant care and monitoring of all treatment plant systems is a critical responsibility taken seriously by the entire water plant staff. It is important to note, the City's water treatment plant operators that are responsible for the Excelsior Avenue, Interlaken and the Geyser Crest Treatment Plants and they represent a critically important team of employees within the Department of Public Works. In order to maintain their status as Water Treatment Plant Operators, these individuals are required to undergo and maintain certain levels of training by the New York State Health Department. It is with their constant care and oversight of all treatment plant operations that we are able to maintain one of the best and most cost effective systems in the State.

The Excelsior Avenue Water Works has hosted many tours of the plant in the past year, as it has done for many years. The groups requesting tours have ranged from Cub Scouts, college students, to senior citizens. It is nice to know educators in our City take the time to teach our young people the importance of water treatment and conservation. It is truly astonishing how knowledgeable the students are about the process and how well thought out their questions were during their tours.

In 2014 DPW received a fluoridation award from the Centers for Disease Control and Prevention commending the City's water system for its consistent and professional adjustment of the water fluoride content to the optimum level for oral health for 12 consistent months. The award was provided to DPW by the CDC in 2015. A copy is now being included in Attachment 2.

C. Water & Sewer Infrastructure:

Our system of underground utilities represents a critically important element of our City's infrastructure. Accordingly, DPW is responsible for the operation, maintenance and repair of hundreds of miles of underground water, sanitary sewer and storm sewer lines throughout the City. The City installed 2,125 feet of new water main including twenty-three (23) new valves and five (5) new hydrants.

In general, the City's distribution system spans over 7-miles from east to west. The system is physically divided by New York State Interstate 87 (I-87) with the Downtown area, Saratoga Racetrack, Spa State Park, and Geyser Crest Subdivision on the west side. On the east side of I-87 are residential developments off of Crescent Avenue and Dyer Switch Road to the southeast and off of Old Schuylerville Road on the northeast.

Approximate Miles of Underground Utilities		
UTILITY	PIPE SIZE (Diameter)	TOTAL MILES (APPROXIMATE)
Water*	Ranging from 4" to 24"	142 mi.
Sanitary Sewer**	Ranging from 4" to 30"	80 mi.
Storm Sewer***	Ranging from 6" to 84"	35 mi.

* Including 1,200 Fire Hydrants and 2,000 valves

** Including 1,736 Sanitary Manholes

*** Including 817 Storm Sewer Manholes and 1,634 Drop Inlet Drains

DPW Utilities Group and Meter Reading

DPW's Utilities Group works under the general category of Public Works. They are also supported by a separate and independent portion of the City budget. City collected utility fees, for water and sewer services, provides the revenue for these separate and distinct operations. Simply put, City collected water fees pay for all water related operations and City collected sewer fees pay for all sewer related operations.

The DPW Utilities Group consists of a Field Operations and Maintenance Crew as well as a Utilities Office staff responsible for all City water and sewer billing account activities. The City's cost for delivering water and maintaining sanitary sewer services is offset by revenues collected by system users. Responsibilities of the Utilities Group are distributed into the following divisions: office administration, billing, meter readers, metering maintenance, water treatment plant, water/sewer field crew, and sewer pumping field crew.

Meter Reading

Meter reading is a vital part of the DPW operation and is referred to as the "cash box" component because meter readings are ultimately imported into the electronic billing system to create utility bills and the revenue they generate. The DPW strives to collect as many actual reads as possible because they permit maximum billable services while minimizing inconvenience and inaccurate bills to our customers. The Utilities Field Operations and Maintenance Crew work hand in hand with the Utilities Office staff to achieve a high actual meter reading percentage.

Hydrant Flushing

The City has approximately 1,200 fire hydrants, which are a vital part of the water distribution system and an important safety asset. To improve and maintain the quality of the water in the system, hydrants are flushed periodically. The amount of hydrant flushing is dependent on observed and tested water quality parameters, but generally performed in the spring and fall of each year. A full flushing of the hydrants is not always warranted, however "dead-end" hydrants are flushed regularly due to their susceptibility to sediment accumulation and rusty water. The City is currently preparing to implement a more effective method known as uni-directional flushing designed to improve system performance and water quality.

New Water Service Connections

In 1992, the City adopted a policy requiring a fee to be collected for all new connections to the City's water system. After a thorough research of locally enacted law of municipalities within New York State, legal counsel for the City generally advised that the water connection fees being charged were limited in the purpose for which they could be used. As a matter of fiscal policy, these monies can only be used to cover capital expenditures designed to enhance the City's water system. Legal counsel, in consultation with Finance and Public Works, determined that the original legislation charging fees for water connections was no longer relevant and the removal of the fees from the City's Charter was determined to be legally and fiscally prudent.

In 2012 the City adopted by Water Resolution to fund capital improvements through a Capital Improvement Fee as part of an asset management program. The capital improvement fee is used solely for capital improvements that are made to the City's water supply system. Whereas the water connection fee was designed specifically for new water projects such as new water mains only, the capital improvement fees allows the funds to be used for new projects as well as improvements to existing infrastructure.

In 2015 the DPW water crew installed a new eight inch (8") water main on South Street from Ballston Avenue to Aletta Street in replacement of an old, problematic two inch (2") water line.

D. Water Service Lines & Emergency Repairs:

Much of the inner City water system is brittle cast iron pipe over 100 years old resulting in underground utility breaks or disruptions in the system. These most often occur in the form of water main breaks, damaged fire hydrants, plugged or fractured sanitary sewer mains and breaks to the City's storm water system due to undermining or damage caused by excessive storm water runoff. DPW maintains a 24-hour emergency response phone number located at the City's Public Works Garage on Division Street. In the case of a utility related emergency, Public Works crews are dispatched, called-in if necessary, to investigate and respond accordingly.

A 2006 City policy made DPW responsible for all emergency repairs to private water service pipe laterals that pose an immediate hazard or threat to the general public. Most of these occur during the winter months. The objective was to minimize losses of potable water, reduce traffic and safety hazards caused by water surfacing on City streets especially during the winter months and eliminate the time and expense for property owners, faced with an emergency, to make the necessary repairs. In 2015, the Utility Crew generated 149 Dig Safely requests which were prompted, in part, by needed repairs to water mains, water services, and hydrant replacements. This is a 48% increase from 2014. 65 of the 149 dig safely requests were the result of emergencies.

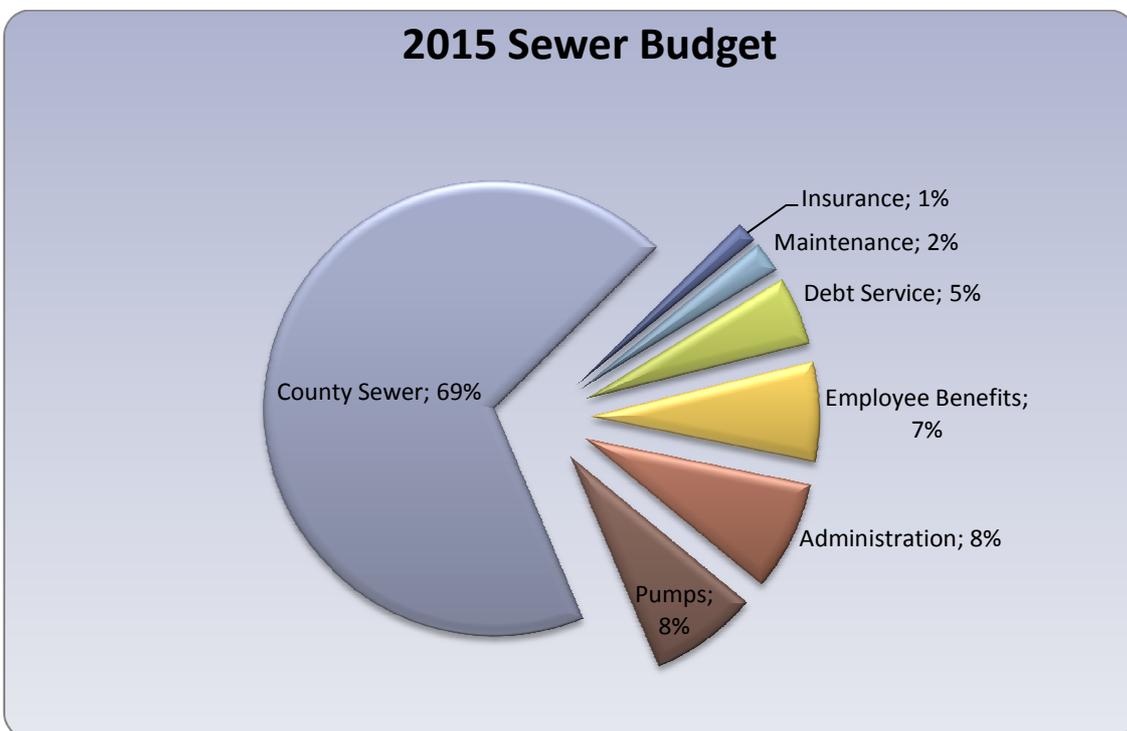
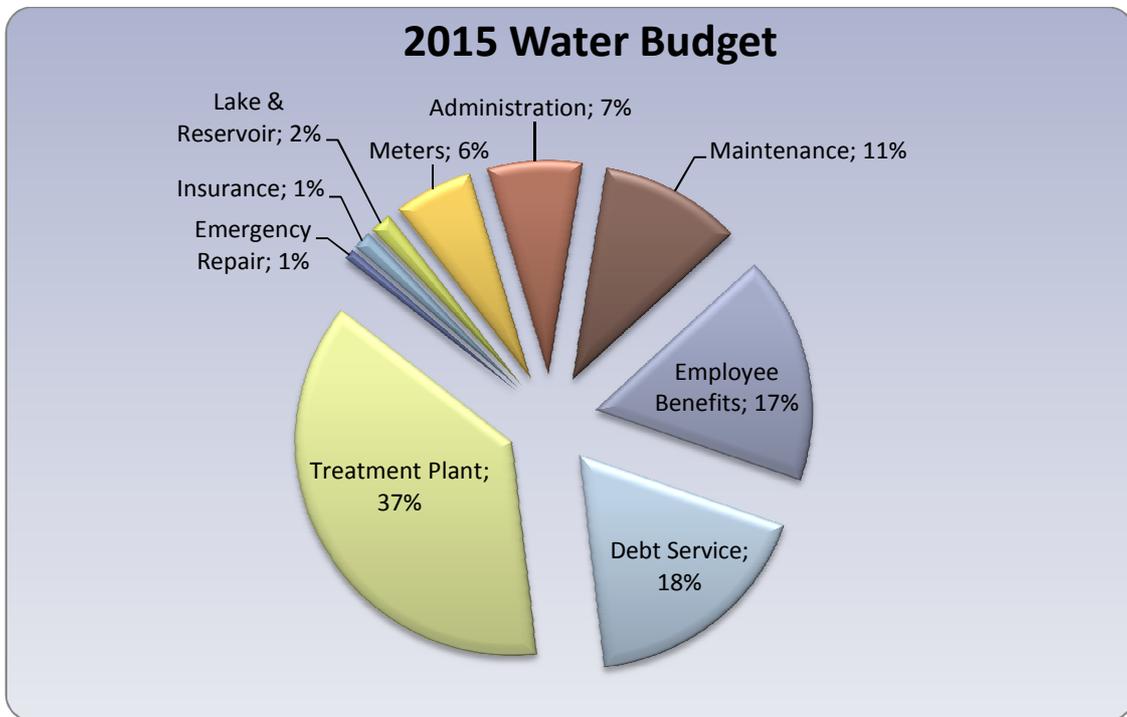
E. Storm Sewer Cleaning:

The City's system of underground storm sewers exists primarily throughout the downtown and inner city neighborhoods. Surface water, sand and typical street debris from the various streets serviced by this secondary collector system flows under city streets to the City's main collector system that runs from Congress Park and extends northerly to its discharge at the City's Spring Run Brook. Using a combination sewer jet and vacuum cleaning unit, DPW crews annually clean storm system drop-inlets, catch-basins, and storm sewer lines that have been identified in need of such work. This work compliments the City's MS4 Program with the goal of keeping debris and pollutants out of the storm sewer system. Other tasks, including replacing or reconstructing curbside storm system catch-basin structures and repairing or readjusting drop-inlet grates are routinely performed throughout the spring, summer and fall seasons.

Outlying areas of the City, which have storm collection systems, are typically comprised of storm drains connected to drywells or perforated pipe which allows storm water to infiltrate into the ground below. These are periodically cleaned by the City. Otherwise, the storm water is discharged directly to a pond, stream, or other water course.

F. Expenditures Breakdown:

These charts represent the water and sewer expenditures for the year 2015:



OFFICE OF THE CITY ENGINEER

A. Overview:

The Office of the City Engineer is a division of the DPW and provides an in-house consulting service available to all departments and residents. The City Engineer's Office consists of the City Engineer, Assistant City Engineer, Senior Engineering Technician, Survey/AutoCAD Technician, Administrative Assistant, Utility Locating Technician and an Engineering Technician. They provide engineering and surveying services to the DPW on various storm sewer, sanitary sewer, water, sidewalk, street and building projects. In addition, they work with the DPS and the Mayor's office on various projects. They work closely with the Planning Board in reviewing site plans and subdivisions and have provided engineering services to the Zoning Board of Appeals. Included below are the wide range of activities performed to assist the various departments in City Hall, as well as assisting the public and numerous other committees and public groups.

B. Project Design, Management & Construction Administration:

Where resources permit, the City Engineers Office identifies projects, prepares budgets, designs plans and specifications, assists with bid advertising, manages pre-bid meetings, reviews bidders qualifications, oversees bid openings, and makes award recommendations. These projects are then managed in-house during the construction phase through contract administration and field supervision. This saves funds that would otherwise be allocated to outside architecture and engineering firms. Here are the larger in-house projects for 2015 which the City Engineers Office was involved with:

- ❖ Weibel Ave Landfill Gas Upgrades and Monitoring
- ❖ Utilities Mapping and Inventory
- ❖ Ballston Ave Traffic Improvements (Completed Construction)
- ❖ Casino Platform Lift
- ❖ Spa Solar Park Development (Design Development)
- ❖ East Side Storm Drainage Project, Phase 1
- ❖ BOCES, Casino Dr, and Adams St Waste Water Pump Station Upgrades
- ❖ Geyser Crest Storm Drainage
- ❖ Casino Dining Room Roof Reinforcing and Ceiling Stabilization
- ❖ East Harrison St Sanitary Sewer
- ❖ Pinewood Ave Sanitary Sewer Improvements
- ❖ Woodlawn Ave Water Main Replacement (Design)
- ❖ Washington St Water Main Replacement
- ❖ Vernon Rink Lower Roof Replacement
- ❖ DEC Loughberry Lake Dam (Engineering Assessment)
- ❖ Woodlawn Ave and Putnam St Parking Deck Stair Replacement
- ❖ Spirit of Life Restoration
- ❖ City Hall Space Study
- ❖ Lake Ave Fire Station Window Replacement
- ❖ Bog Meadow Wells and Surface Water Pump Station (Completed Construction)

The Engineering Department also prepares and reviews the following annual bid specifications at the request of DPW involving: storm drainage, solid waste, potable water testing, post closure landfill monitoring, precast structures, street lights, and other fleet equipment items.

C. Assistance to City Depts & Boards:

- ❖ Maintain inventory of City parcels, buildings and infrastructure. Current total is approximately 43 buildings, 113 parcels of land and 34 City owned structures. This information was updated with the MUNIS system and provides the City with a more comprehensive view of value of City property, providing a base for projecting repair expenses.
- ❖ Review issues for the Building Department regarding site plans, utilities, structural, septic systems, etc.
- ❖ Provide engineering assistance to the ZBA as requested on issues involving storm water, grading, etc.
- ❖ Planning & Zoning - site plan review for the Planning Board (77 Planning Board projects and reviewed 30 to 40 as-built drawings for project closeout from previous years projects).
- ❖ Review miscellaneous plans and specifications for the Recreation Dept, Department of Public Safety, Finance and the Department of Accounts as needed.

F. Surveying & AutoCAD Mapping:

The City Engineers Office continues to operate its Global Positioning System (GPS) to locate all sewer manholes, storm sewer structures, hydrants, water valves, decorative street lights, traffic signs, street signs and plotting them on mapping using a Geographic Information system (GIS).

The following is the 2015 list of work completed by the Survey Technicians:

- ❖ As-built survey and map of Phase 2 Railroad Run Bike Path
- ❖ Survey, map, design and construction observation for East Harrison Street sanitary sewer
- ❖ Provide consultant survey and map for Wedgewood Drive storm drain
- ❖ Provide consultant topographic survey and map for BOCES sanitary pump station upgrade
- ❖ Provide consultant topographic survey and map for Casino Drive sanitary pump station upgrade
- ❖ Provide consultant topographic survey and map for Woodlawn Avenue water main replacement
- ❖ Provide consultant topographic survey and map for Loughberry Lake dam assessment
- ❖ Construction observation, as-built survey and map of Pinewood Avenue sewer replacement

D. Address Numbering System:

Another facet of planning responsibility is seen in the involvement of addressing. The Office of the City Engineer is the official custodian of building number address system and allocates new numbers to new buildings and does such things that may be necessary to keep the address system up-to-date and compliant with 911 safety response guidelines.

E. Annual Highway Inventory:

The DPW, through the Office of the City Engineer, is responsible for filing annual reports of Local Highway Inventory Update with the New York State Department of Transportation. This information is used by DOT in determining the City's eligibility for State-funded local highway aid. The City's total mileage of City owned streets for the year 2015 was roughly 146 miles.

Miscellaneous Survey Tasks:

- ❖ As-built Site Plan review and part-time construction observation
- ❖ Bi-annual elevation survey of Canfield Casino
- ❖ Annual volume analysis of compost
- ❖ Right of way research/recon for City Arborist
- ❖ GPS and GIS utility mapping
- ❖ Provide support to the Planning and Building Departments

ATTACHMENT 1

2016 VEHICLE LIST

DEPT	VEH #	YEAR	MAKE	DESCRIPTION	PLATE #	VIN #	RADIO	
rs				2016 VEHICLE LIST				
1	1	2003	FORD EXPLORER	SURBURBAN	K81825	1FMZU73K53UB91697	31200154	Out of Service
1	2	2006	FORD SD F-250	PICKUP	AC4957	1FTSX21Y06ED64533	61000619	
5	3	2010	FORD F-350	PICKUP Diesel	AC5026	1FTWF3BR6AEB25563	517620	
1	4	2004	DODGE 2500	PICKUP	AC4944	3D7KU26D94G217802	50600073	
1	5	2008	FORD F-350	PICKUP	AC5044	1FTWF31YX8EC75078	81000166	
2	6	1999	CAT IT28G	LOADER SER#8CR01771	AC4996	8CR01771S23204	NRG42668	
1	7	2001	DODGE RAM	PICKUP/ QUAD CAB	K10599	1B7KF23671J591443	21101703	Auctioned 6/13
4	8	2001	FORD F-450	SMALL DUMP	AC4950	1FDXF47F01ED15931	21200438	
16	9	2004	DODGE RAM 2500	PICKUP	L51947	3D7KU26D14G217793	50100105	
3	10	2005	FORD F250 4x4	PICKUP	AC4989	1FTNF21585EC87172	60600738	
1	11	2000	INTERNATIONAL	DUMP	AC4935	1HTGEAHR5YH342925	20400357	out of service
1	12	2002	DODGE 2500	PICKUP	K39906	3B7KF26Z2M268577	21101651	out of service
1	13	2002	INTERNATIONAL	DUMP	AC5009	1HTGEAHR92H504269	21101654	
18	14	2001	DODGE RAM 2500	PICKUP	AC4980	3B7KF26Z41M565469	11200569	out of service
18	15	1999	IT-28B CAT	LOADER	K76695	08CR01882		out of service
1	16	2000	INTERNATIONAL	DUMP	AC4936	1HTGEAHR3YH342924	20600223	
2	17	2000	INTERNATIONAL	DUMP	AC4934	1HTGEAHR8YH250451		
2	18	1997	INTERNATIONAL	DUMP	AC4956	1HTGEAUR9VH487144		Out of Service 1
5	19	2005	FORD F-250	PICKUP	AC4979	1FTNF21525EC96854	61000851	
								Auctioned 6/13
5	21	2004	DODGE 2500	PICKUP	AC4945	3D7KU26D74G219354	50600072	
	22							
1	23	2008	FORD F-350	PICKUP	AC5019	1FTWF31R78EE29092	5162215	
								Auctioned 6/13
								Auctioned 6/13
1	26	2000	INTERNATIONAL	DUMP	AC4948	1HTGEAHR7YH251039	10700113	
1	27	1993	JOHN DEERE 772B	GRADER	AG8475	DW772BH544277		
1	28	2005	FORD F-350	PICKUP	AC5018	1FDSF35P25EA45056	60500431	
7	29	1997	GMC 3500	CHASSIS CAB w/BOOM	K76721	1GDKC34J3VJ511252		Out of Service
7	30	2000	FORD ECONOLINE E-150	CARGO VAN	AC4947	1FTRE1423YHB66939	20200145	
1	31	1999	INTERNATIONAL 2574 4x2	DUMP	AC4995	1HTGEAHR5XH681215		
1	32	2006	FORD F350 w CREW CAB	PICKUP	AC4977	1FTWW33P06ED27402	20200140	
1	33	2002	INTERNATIONAL	DUMP	AG8476	1HTGEAHR52H504270	21101655	
1	34	1999	INTERNATIONAL 2574 4x2	DUMP	AC5004	1HTGEAHR3XH681214		
6	35	2002	INTERNATIONAL	CAB/CHASSIS	AC4933	1HTSCAAR62H502313	21101653	
	36							
1	37	2002	DODGE 2500	PICKUP	AC4953	3B7KF26Z82M268576	31200049	
1	38	2002	FORD F450	SMALL DUMP	AC4991	1FDXF47F52EC80188	31200046	out of service
2	39	1985	CAT 12G	GRADER	AC4967	61M11200	FLW4014	
1	40	1999	FORD F350	PICKUP	K76715	1FTWF33F3XEB32466		Out of Service
								Auctioned 6/13
1	42	2000	INTERNATIONAL	DUMP	AC4949	1HTGEAHR3YH251040	10700346	
								Auctioned 6/13
1	44	2003	STERLING L8500	DUMP	AC4987	2FZAAWCY83AL08597	31200050	
1	45	2003	STERLING L8500	DUMP	AC4988	2FZAAWCY63AL08596	40700163	
								Auctioned 6/13
18	47	1995	INTERNATIONAL	DUMP	AC5043	1HTGEAURXSH628640		
2	49	2003	FORD F-350 4x4	PICKUP	L81865	1FTSF31P63ED85298	50100104	out of service
1	50	2007	FORD F-450	GARBAGE TRUCK	AC5006	1FDXF47P77EA84690		
1	51	2000	CAT IT-28 ENG #4TF57976	LOADER	AC4946	8CR02292	10700152	
								Auctioned 6/13
1	53	1997	INTERNATIONAL	DUMP	AC4959	1HTGEAUR0VH487145		
1	54	2002	INTERNATIONAL	DUMP	AC4981	1HTGGAHT02H514467	31200047	
8	56	1991	INTERNATIONAL w/CAMEL	SEWER JET	AC4992	1HTSCNMN8MH382498		
1	58	2005	INTERNATIONAL	DUMP	AC5042	1HTWAAARX5J080339		
1	59	2005	INTERNATIONAL 7600	DUMP	AC5000	1HTWZAHRO5J001906	60600740	
1	61	2003	DODGE	PICKUP	AG8477	3D7KU26D83G837281	50100103	
1	62	2007	FORD	F-450 Diesel	AC5045	1FDXF47P87EB38868		
18	63	2004	INTERNATIONAL-7600	DUMP	AC4971	1HTWXAH34J086126	41201058	
6	64	2004	INTERNATIONAL-7300	CHIP BOX DUMP	AC4969	1HTWAAAR84J091192	41201059	

2016 VEHICLE LIST

1	65	2004	CATERPILLAR IT28G	LOADER	AC4978	SER #DBT01176	70200182	
18	66	2002	DODGE RAM 2500	PICKUP	AC4990	3B7KF26Z02M288904	11200569	
18	67	2005	FORD F350 wCREW CAB	PICKUP	AC5002	1FTWW33P05EC87840		
21	69	1994	FORD F-150	PICKUP	K76740	1FTEF14N0RNB16606	out of service	Auctioned 6/13
3	70	2005	INTERNATIONAL 7600	DUMP	AC5001	1HTWZAH45J003349		
3	71	2005	FORD F-350 UTILITY	PICKUP	AC5017	1FDSF35PX5EA39313		
3	72	2002	CATERPILLAR	EXCAVATOR MODEL M318		SER # L8AL03355		
3	73	2001	UTILIMASTER/FREIGHTLINE	VAN	AC4952	4UZAASBW91CH89195	21101704	
								Auctioned 6/13
3	75	2001	FORD F-550 UTILITY	F-550 UTILITY	AC4951	1FDAF57F31EC60421	21101705	
								Auctioned 6/13
1	79	1994	FORD RANGER	PICKUP	AB6581	1FTCR10A6RTA41410		Out of Service 1
3	80	2003	DODGE RAM 3/4 TON	CARGO VAN	AC4958	2D7JB21Y63K525345	50100102	
18	81	2006	ELGIN PELICAN	SWEEPER	AC4985	P4821D	61000617	
22	82	1999	FERMAC TLK860	BACKHOE/LOADER	K76697	SMFB44ECOXR8604799		Out of Service E
1	83	2001	FORD-F-350	PICKUP	K10515	1FTSF31F01EB89930	20601578	Out of Service E
21	84	2006	FORD E-250	VAN	AC4942	1FTNE24WX6HA09400	70100148	
18	85	2002	ELGIN PELICAN	SWEEPER	AC4986	P3836D	61000853	
								Auctioned 6/13
21	87	2006	FORD E-250	VAN	AC4943	1FTNE26W76HA09404	61000852	
5	88	1997	FORD F-250	PICKUP	K76733	1FTHF26F2VEA90142		Out of Service E
	89							
15	90	2005	JOHN DEERE	624J 4WD TRACTOR/LOADE	AC4968	DW624JZ599505	61000560	
3	91	2008	CATERPILLAR	BACKHOE/LOADER 430E	AC5022	CAT0430ETDDT00800	5163452	
	92							
	93							
								Auctioned 6/13
7	95	2007	FORD F-450	UTILITY PICKUP	AC4994	1FDXF47P57FA13584		
3	96	1997	FORD F-350 UTILITY	PICKUP	K76727	1FTHF36F8VEB36370		
	97							Auctioned 6/13
1	98	2008	INTERNATIONAL	DUMP	AC5020	1HTWZAHR08J562787		
	99							Auctioned 6/13
	100							
5	101		TORO WORKMAN 2100	UTILITY VEHICLE				
18	102	1988	PEERLESS	DUMPER TRAILER 20'	AC5021	TWTT4016	Out Of Service 8/26/14	
								Auctioned 6/13
18	104	1998	BRI MAR	TRAILER	AC8480	43YDC1620WC001337		
1	105	2001	JOHN DEERE	TRACTOR w/AL IS74 MOWER		SER# L06110306589		
5	106	1995	TORO	MOWER				
5	107	2002	TORO WORKMAN 3200	MOWER MODEL 07200		SERIAL # 210000369		
5	108	2002	TORO GROUNDSMASTER 40	MOWER MODEL 30410		SERIAL # 220000283		
5	109	2002	NEW HOLLAND 2120	TRACTOR/LOADER #SIC0310		T 3UV33402/ L		
16	110	2002	SMITHCO	SAND PRO		SER.# 4654		
4	111	1985	HUDSON BROS.	TRAILER	A45708	A0HHBC14F1000055	to be auctioned	
1	112	2002	KAWASAKI	MOWER		2KAXS4312CA		
18	113	1991	CRAFTCO	TAR MACHINE				
1	114	2003	HAULMARK TS610SA	TRAILER	AC4974	SN/16HCB10123PO29976		
5	115	1997	BISON TURF BLAZER	MOWER				
22	116		PEABODY BARNES	PUMP				
1	117	1997	GGSCMA/FLOWER CART	TRAILER				
1	118		CARPENTER	TRAILER				
5	119	1997	TORO	SAND PRO				
18	120		CRAFTCO	PAVEMENT CUTTER				
	121							
	122							
1	123	1999	GEHL SKIDSTEER SL6635-D	LOADER w/BUCKET/FORKS	K76729	SER# 11918		
1	124	1999	CASE IH CX90	TRACTOR	AC5003	SER #JJE1011348		
24	125	1993	OLYMPIA	RESURFACER		RC8906778		
24	126	2001	OLYMPIA	RESURFACER		2GCDK14H1K1185619		
5	127	1957	FORD	TRACTOR		SER # 127506		

2016 VEHICLE LIST

5	128		TORO	MOWER				
7	129	2006	VERMEER RING-O-MATIC	VACUUM SYSTEM- 275		1R9J216185P303039	to be mounted on #95	
5	130	1980	KUBOTA-185W/CARONI	TRACTOR				
18	131	1987	DRESSER 4-6 TON	STATIC ROLLER				
	132	1986	HYSTER C-330	STATIC ROLLER		A158C21396		
1	133	1950	MACK	TANKER	AC4999	505S2086		
19	134	1985	Q-125 LeROI	AIR COMPRESSOR				
6	135	2001	VERMEER 752/DENTZ ENG	STUMPER w/AUTO SWEEP	SER# 1VRN1514911000639			
18	136	2004	JOHN DEERE MODEL 4210	TRACTOR w/ATTACHMENTS	SER # LVR1	10H321837		
	137	2004	INGERSOLL-RAND	ROLLER		SER #179922		
2	138	2005	GRADALL XL 4100		AC4998	# 0210017575		
5	139	1975	JOHN DEERE 301A	TRACTOR		S/N 214129T		
1	140	1975	JOHN DEERE 301A	TRACTOR				
5	141	2000	B. FOSTER	TRAILER	K87638	4YTDS2027YW004789		Auctioned 6/13
16	142	2000	JOHN DEERE	MOWER		SER # M02148H011150		
15	143	2006	TIMBER WOLF	FIREWOOD SPLITTER		TW610058211		
18	144	1999	VOHL	SNOWBLOWER	K76744	NV970		
24	145	2001	TORO PROLINE 30154	MOWER S/N 200000175	ENG MOD 28B702	TYPE 1041-E1		
7	146		FORD-OWENS	GENERATOR				
	147							
	148	1997	GAC LANDSCAPE TRAILER	TRAILER	K87639	1G91A20200S203003		?
1	149	2000	TENNANT 800	SWEEPER		8004477		
3	150	2000	2000 INGERSOLL RAND	AIR COMPRESSOR		SER # 308677-UBK-221		
5	151	2000	GAC 16E10	TRAILER	AC4973	1G94A1628YS203043		
15	152	1986	INTERNATIONAL	DUMP	C54169	1HTLDUXN3GHA60981		
1	153	2000	BRI-MAR	TRAILER	K76690	43YDC1620YC007674	Out of Service	Auctioned 6/13
5	154	2000	SWEEP STAR	TURF SWEEPER MODEL #77-100BF	SER# D-1445			
16	155	2000	JOHN DEERE SABRE	TRACTOR MODEL # 2148HV		MO2148H011150		
6	156	2001	SALSCO MODEL 813	CHIPPER	AC4932	SER#01010500100520998		
1	157	2001	GAC #610U29	TRAILER	AC4997	1G91A10191S203037		
18	158	2001	BRI- MAR	TRAILER	AC4938	43YDC16281C010487		
4	159	2001	628 TURFCAT 26 HP 2WD	MOWER w DECK		SER##94671300302		
6	160	2003	WACKER MODEL # RSS8004	TAILGATE ROLLER		SER # 5396909		
5	161	2003	TORO GROUNDSMASTER 2	MOWER	SER 230000384/MODEL # 30242			
1	162	2003	TORO GROUNDSMASTER 2	MOWER	SER 230000429/MODEL # 30242			
18	163	2003	BRI-MAR MODEL DT818-20G	TRAILER	AC4939	43YDC20263C022347		
6	164	2003	BANDIT MODEL 150	CHIPPER	SER# 4FMOS15193R019026			
1	165	2004	NORTH STAR 459221	GAS PORTABLE AIR COMPRESSOR	SER# 02041768			
1	166	2004	TORO	MOWER	SER# 230000408 MODEL #30242			
1	167	2004	TORO	MOWER	SER# 230000138 MODEL #30625			
3	168	2004	BRI MAR	UTILITY TRAILER	AC4975	43YDC10224C026245		
1	169	2004	TORO GRANDMASTER	MOWER/SNOWBLOWER	SER #240000439 MODEL 30242			
3	170	2004	TOP BRAND	TOP RAIL TRAILER	AC4970	5HLET08184F044322		?
1	171	2005	G.A.C MACHINE	UTILITY TRAILER	AC4972	1G91A12285S203015		
18	172	2005	BRI-MAR	TRAILER	AC4940	43YDC14275C044221		
1	173	2005	TORO WORKMAN 3200	UTILITY VEHICLE MODEL7361	SER# 250000507			
5	174	2005	TORO WORKMAN 3200	UTILITY VEHICLE MODEL7361	SER# 250000533			
5	175	2005	TORO SAND PRO 5020	3- WHEELER	SER# 250000614			
4	176	2006	JOHN DEERE 6X4 GATOR	UTILITY VEHICLE- Diesel	ID# W0006X4D041489		Diesel	
4	177	2006	TORO WORKMAN 3300D	UTILITY VEHICLE MODEL 7362	SER# 260000355		Diesel	
1	178	2006	TOP BRAND	TRAILER	AC5008	VIN# 5HLAB12276F064119		
1	179	2006	AQUAMARINE TDT 230	WEED HARVESTER- H6-230	AC4993	2E9BJ34CX61008003		
	180	2002	WACKER 5045A	TAMPER				
1	181		MK DIAMOND SAW 20	HONDA GX620		SER # 582085		
1	182		MK DIAMOND SAW	HONDA 13		SER # 253348		
1	183	2006	CUB CADET 530 SWE	11HP, 30" SNOW BLOWER		SER# 1G255B10154		
1	184	2006	CUB CADET 530 SWE	11 HP, 30" SNOWBLOWER		SER# 1H035B10208		
5	185	2000	TORO WORKMAN 7302	UTILITY VEHICLE MODEL 7302	SER# 200000562			
1	186	2007	BOBCAT S-185	SKIDSTEER/ LOADER	AC4976	# 53031766330012007	Diesel	
24	187	2006	GENIE	SCISSOR LIFT		SER.# 55375		
1	188	2007	LAWNBOY	MODEL 10795		SER. # 270001782		
1	189	2007	LAWNBOY	MODEL 10795		SER. # 270001783		
1	190	2007	GENERATOR (SENIOR CTR)				Diesel	
5	191	2007	TORO LAWN MOWER	MODEL 22189		SER.# 270000232		
5	192	2007	TOTO LAWN MOWER	MODEL 22189		SER.# 270000257		
5	193	2007	WACKER RD16	ROLLER		SER.# 5750262	Diesel	
1	194	2007	TOP BRAND	TRAILER	AC4931	5HLAB12217F070421		

2016 VEHICLE LIST

5	195	2007	BRI MAR	DUMP TRAILER	AC4937	43YDC14237C063271		
1	196	2008	CAM SUPERLINE	UTILITY TRAILER	AC4941	5JPBU25268P019468		
1	197	2007	GENERATOR (CITY HALL)				Diesel	
1	198	2008	WACKER PLATE TAMPER	WP 1550 AW		SER.# 6655784		
1	199	2008	WACKER PLATE TAMPER	WP 1550 AW		SER.# 6655787		
1	200	2007	VERMEER TUB H66000	TUB GRINDER		1VRY4531771000302	#04572	
12	201	2000	FORD EXPLORER E250	SUBURBAN	AC4963	1FMZU71X8YZB75101		
5	202	2008	TORO	SANDPRO 5040		270001135		
4	203	2008	BRIMAR	TRAILER DT714LPHD14	AC5005	43YDC192X8C071720	GREEN	
12	204	1999	FORD E250	VAN	K76712	1FTPE2428XHBO5372	5178027	
1	205	2008	ARIENS	SNOWBLOWER ST 1332 DLE		Ser.#003834		
1	206	2008	ARIENS	SNOWBLOWER ST 1332 DLE		Ser.# 004251		
12	207	2001	CHEVROLET BLAZER	VAN	AC4964	1GNDT13W41K247663	Out of Service	
12	208	2008	CHEVROLET TRAIL BLAZER	SUV	AC5038	1GNDT13S382253221	5173564	
1	209	2008	BRIMAR	TRAILER DT814-14BN	AC5024	43YDC14258C071406		
1	210	2009	FORD F350	PICKUP	AC5025	1FTWF31R69EA35603	Diesel	
1	211	2009	INTERNATIONAL w BOOM	CHASSIS CAB w BOOM	AC5046	1HTMMAAN09H130528	Diesel	
1	212	2009	FLOWER TRAILER	HOME MADE	AC5010	ID# NYA598981		
1	213	2009	INGERSOLL-RAND BX-8WH	18" PLATE COMPACTOR				
1	214	2009	TORO LAWN MOWER			290000820		
1	215	2009	TORO LAWN MOWER			290000821		
1	216	2009	TORO LAWN MOWER			290000822		
1	217	2009	TORO LAWN MOWER			290000823		
1	218	2009	ARIENS ST30DLE	SNOWBLOWER		Ser.# 001709		
24	219	2009	ARIENS ST30DLE	SNOWBLOWER		Ser # 004440		
3	220	2010	FORD F350	PICKUP	AC5027	1FTWF3B53AEA74584	5176205	
5	221	2010	TORO LAWNMOWER	Model 30467		Ser.# 31000105		
7	222	2011	INTERNATIONAL 7500	DUMP (Sewer Vac.)	R10414	1HTWNAZT9CJ619034		
5	223	2012	NORTH NEWTON	TRAILER	AC5029	4KPBFB1317CN006076		
1	224	1976	International	Dump		1HTLDUXN3GHA60971	Old 42 Compost	
21	225	2007	JEEP	Patriot	AC5023	1J8FF28W27D251255	5104893 ICON	
1	226	2012	FORD F-350 D	Pick-up Dual Axle	AC5032	1FTFR3DT8CEB09163	5128772 ICON	
6	227	2012	FORD F-350 D	Pick-Up	AC5031	1FTFR3BT9CEB09160	5128033 ICON	
5	228	2012	FORD F-250	Pickup	AG8482	1FT7W2B64CEB24046	5128034 ICON	
1	229	2012	BRIMAR	TRAILER DT818-20 GN	AC5030	43YDC2923CC093315		
7	230	2009	KUBOTA	EXCAVATOR MODEL KX713		S/N 11796		
1	231	2006	JGL	LIFT MODEL 600AJ		S/N 0300088879		
1	232	2012	Goodall Car Starter				Mounted on #37	
21	233	2002	MERCURY SABLE	Station Wagon	R24115	1MEHM59S72G655600		
1	234	2011	FORD Escape	SUV	R24119	1FMC49D76BKB69567		
1	235	2011	FORD E-250	Van	AC5028	1FTNE2EW2BDA57232		
1	236	2012	CHEVROLET	Van	AF8739	1GCSGAFX4C1133275		
1	237	2012	Honda	Plate Compactor		S/N # 27608302		
1	238	2013	BRI MAR	Trailer	AC5011	43YDC2921DC096974		
1	239	2013	BRI MAR	Trailer	AC5012	43YDC2928DC096972		
6	240	2013	Carry-On	Utility Trailer	AC5007	4YMUL0818DV013493		
5	241	2013	Caterpillar	Loader	AC5033	CAT0930KLRHN01677		
1	242	2013	BOBCAT S-650	Skid Steer	AC5016	A3NV21881		D
2	243	2013	FORD F-350 D	Pick-Up	AD9027	1FT8W3DT8DEB53080		D
6	244	2013	FORD F-350 D	Pick-Up	R31106	1FT8W3DT1DEB53079		D
1	245	2014	INTERNATIONAL	Dump	AC5014	1HTWLAZR2EH770236		D
1	246	2014	INTERNATIONAL	Dump	AC5015	1HTWLAZR4EH770237		D
5	247	2013	TORO Z-Master 2000 Mower	Mower Model #74141		SER 313000394		
1	248	2009	FORD F-150	Pick-Up	AD9029	1FTFR12W79KB65123		
2	249	2013	Chicago Pneumatic	Tamper		bgf033255	Highways	
21	250	2007	Chevrolet	HR	AD9030	3GNDA13D07S593713		
5	251	2014	TORO Groundmaster 4000-D	Mower Model #30448N			Rec	
2	252	2014	Caterpillar	Loader, Model 930K	AC5013	CAT0930KVRHN02941		
1	253	2011	FORD F-350	Pick-Up	AF8740	1FTFR3B65BEA10232		

ATTACHMENT 2



January 18, 2016

Skip Scirocco
Commissioner of Public Works
City of Saratoga Springs Dept. of Public Works
5 Lake Avenue
Saratoga Springs, NY 12866

Dear Mr. Scirocco,

Congratulations, the **Canfield Casino Ballroom Roof Reinforcing & Ceiling Stabilization Project** is being honored by the APWA Capital Branch as the 2015 Project of the Year in the Disaster or Emergency Construction/Repair (Less than \$5M) Category, along with 9 other projects at the Annual Awards Luncheon. Your Public Works Department will be recognized for its role in the project.

The APWA Capital Branch is pleased to invite you and a guest to attend the Annual Awards Luncheon on Friday, February 5, 2016. The luncheon will be held at the Albany Marriott, 187 Wolf Road, Albany, NY 12205, from Noon – 2:00 p.m. The luncheon choices are Chicken Piccata, Baked Boston Scrod or Pasta Primavera.

Please contact Suzanne Christopher via email at SChristopher@chacompanies.com to make your reservation. Please make your reservations by January 27th. If colleagues, friends, or family members beyond you and your guest are interested in attending, the cost is \$30.00 per person and reservations must be made in advance.

On behalf of the Executive Committee of the APWA Capital Branch, I offer my sincerest congratulations for this honor.

Very truly yours,

Heather Wyld, P.E.
Awards Chairman
APWA Capital Branch

HW/sc
cc: Monika King, APWA



January 18, 2016

Skip Scirocco
Commissioner of Public Works
City of Saratoga Springs Dept. of Public Works
5 Lake Avenue
Saratoga Springs, NY 12866

Dear Mr. Scirocco,

Congratulations, the **Spirit of Life Spencer Trask Memorial Restoration Project** is being honored by the APWA Capital Branch as the 2015 Project of the Year in the Historical Restoration/Preservation (Less than \$5M) Category, along with 9 other projects at the Annual Awards Luncheon. Your Public Works Department will be recognized for its role in the project.

The APWA Capital Branch is pleased to invite you and a guest to attend the Annual Awards Luncheon on Friday, February 5, 2016. The luncheon will be held at the Albany Marriott, 187 Wolf Road, Albany, NY 12205, from Noon – 2:00 p.m. The luncheon choices are Chicken Piccata, Baked Boston Scrod or Pasta Primavera.

Please contact Suzanne Christopher via email at SChristopher@chacompanies.com to make your reservation. Please make your reservations by January 27th. If colleagues, friends, or family members beyond you and your guest are interested in attending, the cost is \$30.00 per person and reservations must be made in advance.

On behalf of the Executive Committee of the APWA Capital Branch, I offer my sincerest congratulations for this honor.

Very truly yours,

Heather Wyld, P.E.
Awards Chairman
APWA Capital Branch

HW/sc
cc: Monika King, APWA



2014

Water Fluoridation Quality Award

SARATOGA SPRINGS CITY STATE OF NEW YORK

The Centers for Disease Control and Prevention commends this water system for its consistent and professional adjustment of the water fluoride content to the optimum level for oral health for 12 consistent months. Consistent, high-quality water fluoridation practice, as demonstrated by this water system, is a safe and effective method to prevent tooth decay improving the oral health of community residents of all ages.

Presented by the
Centers for Disease Control and Prevention
United States Department of Health & Human Services

A handwritten signature in blue ink, appearing to read 'K. J. DeLorenzo', is positioned below the text of the awarding organization.

National Fluoridation Engineer, Division of Oral Health
National Center for Chronic Disease Prevention
and Health Promotion



**Centers for Disease
Control and Prevention**
National Center for Chronic
Disease Prevention and
Health Promotion