



- Livable Housing
- Thriving Economy
- Connected Mobility

- Master Plan Vision**
- Vibrant Neighborhoods
 - Adaptable Workforce
 - Flourishing Environment

CITY OF KEENE

Capital Improvement Program

Fiscal Years 2027-2033

A Standard for Sustainability

Built for an Active Lifestyle

Enthusiastic Civic Engagement

An Arts & Culture Hub



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Fire Department



CITY OF KEENE

Capital Improvement Program

Fiscal Years 2027-2033

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CENTRAL FIRE STATION ALERTING SYSTEM

FY28 \$104,000

- Replace outdated failing system
- Reduce cardiac stress on responders
- Improve turnout times
- Improve dispatch and fire department communications





CITY OF KEENE

Capital Improvement Program

Fiscal Years 2027-2033

Master Plan Vision

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DURABLE MEDICAL EQUIPMENT

FY27 \$150,235

- Specialized Advanced Life Support Equipment
- Replace 5 Zoll Z-Vent Mechanical Ventilators
- 7-Year Service Life





CITY OF KEENE

Capital Improvement Program

Fiscal Years 2027-2033

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PORTABLE RADIOS

FY27 \$140,000

FY28 \$140,000

FY29 \$140,000

- Replace 65 portables over 3-year cycle
- End of support
- Improve interoperability and communication quality





CITY OF KEENE

Capital Improvement Program

Fiscal Years 2027-2033

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AMBULANCE REPLACEMENT

FY28 \$533,595

- 9-year replacement schedule
- Power load/power cot
- 10,000 responses in life
- Replace 19A3





CITY OF KEENE

Capital Improvement Program

Fiscal Years 2027-2033

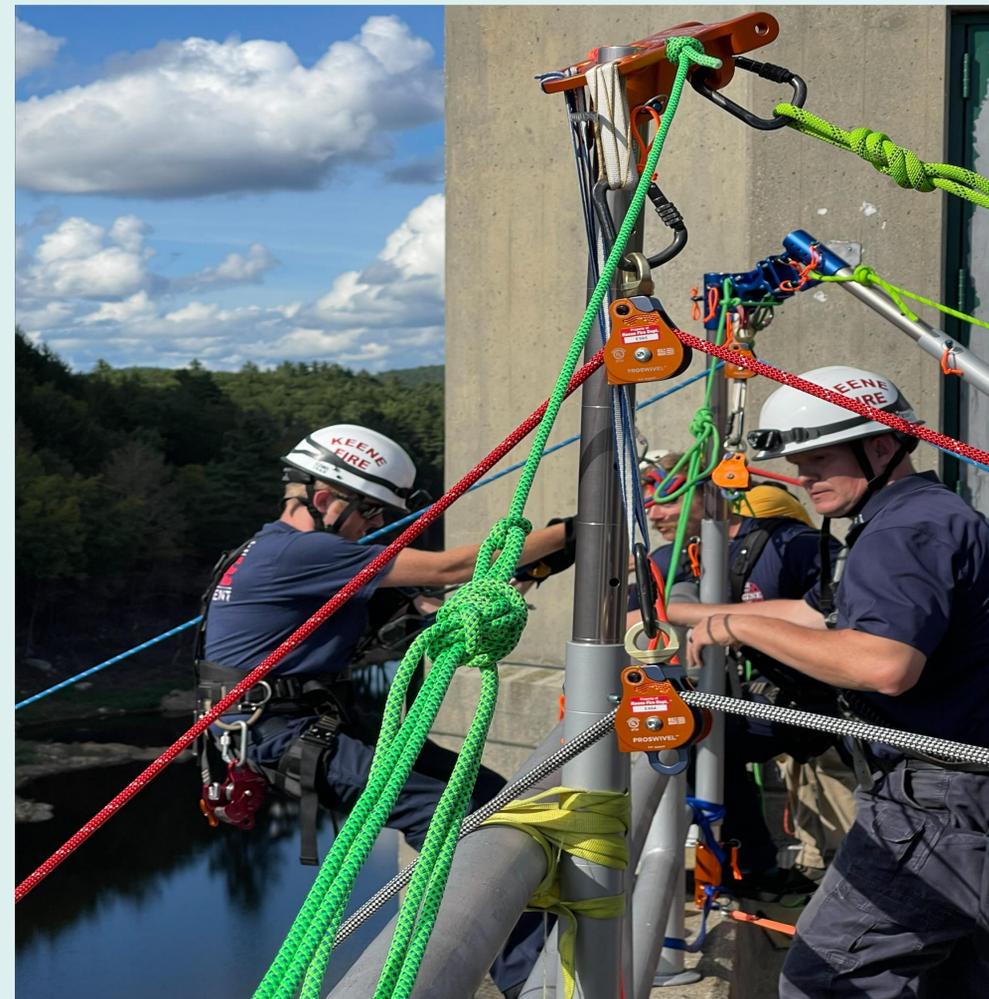
Master Plan Vision

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TECHNICAL RESCUE EQUIPMENT

FY28 \$65,000

- Specialized Advanced Technical Equipment
- 10-year replacement per manufacturer and NFPA
- Only Technical Rescue Team in Southwestern New Hampshire
- Disciplines included: Trench, Confined Space, High Angle, Swift Water, and Building Collapse





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Parks and Recreation



CITY OF KEENE

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ROBIN HOOD PARK RENOVATION PROJECT

FY27 \$2,692,000

FY28 \$1,175,000

- Refurbished Pool
- Inclusive Playground Structure
- Improved Camp Building & Bathrooms
- Multi-Sport Court
- Upgraded Parking Lots
- Enhanced Traffic Flow





CITY OF KEENE

Capital Improvement Program

Fiscal Years 2027-2033

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OPEN SPACE & TRAILS PROGRAM

FY27 \$66,000

FY28 \$133,000

- Jonathan Daniels Trail Rehabilitation
- Appel Way Paving
- Robin Hood Park Trail Enhancements
- Beech Hill Trail Enhancements





CITY OF KEENE

Capital Improvement Program

Fiscal Years 2027-2033

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MUNICIPAL PARKS MAINTENANCE PROGRAM

FY27 \$163,530

FY28 \$310,500

- Durling & O'Neal Fields Irrigation Upgrades
- Wheelock Park Playground Structure Replacement
- Wheelock Park Playground Accessible Surfacing





CITY OF KEENE

Capital Improvement Program

Fiscal Years 2027-2033

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PARK FOREST SUSTAINABILITY PROJECT

FY27 \$135,000

FY28 \$125,000

- Dinsmoor Woods Red Pine Harvest & Understory Maintenance
- Wheelock Park Red Pine Harvest & Native Tree Installation
- Russell Park Tree Plantings





CITY OF KEENE

Capital Improvement Program

Fiscal Years 2027-2033

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ASHUELOT GREEN SPACE PROJECT

FY27 \$200,000

FY28 \$1,000,000

- Design Process
- Natural Playground
- Canoe/Kayak Launch
- Accessible Public Restrooms
- Enhanced Parking for Ashuelot River Park Spaces





CITY OF KEENE

Capital Improvement Program

Fiscal Years 2027-2033

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TRAIL BRIDGE MAINTENANCE PROGRAM

FY27 \$130,000

FY28 \$0

- Ashuelot Rail Trail Trestle Bridge Rehabilitation





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Police Department



CITY OF KEENE

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EXACOM HINDSIGHT

FY27 \$41,300

- Records telephone and radio communications
- Provides increased accuracy and accountability
- Required to maintain national accreditation
- Transition to a more affordable cloud-based solution





CITY OF KEENE

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BODY AND IN-CAR CAMERA SYSTEMS REPLACEMENT

FY29 \$97,900

- Enhanced transparency and public trust
- Enhanced accountability and protection for our officers
- Provides improved evidence collection
- Represents only a one-year contract renewal with our current vendor





CITY OF KEENE

Capital Improvement Program

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PORTABLE RADIO REPLACEMENT

FY29 \$86,328

- The first of a 3-year replacement program
- Total cost of the program is approximately \$271,928
- Vendor supported life-span for this equipment is reported at 7-10 years
- FY29 will represent 10 years for the current equipment





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Facilities



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MUNICIPAL BUILDING CAPITAL MAINTENANCE PROGRAM

FY27 \$100,000

FY28 \$100,000

- Upgrade building automation systems from N4 to N5 including Central Fire
- Mini Split Heat Pump Council Chambers
- Replace water expansion tanks and hot water circulation pumps at PW





CITY OF KEENE

Capital Improvement Program

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WEST KEENE FIRE STATION

FY28 \$750,000

- Schematic Design
- Grant ready
- Maple Ave next to Cheshire Medical
- FY30 Construction contingent upon grant funding





CITY OF KEENE

Capital Improvement Program

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LIBRARY LIGHTING

FY27 \$175,000

- Completing a Feasibility Study
- Trustees pledged up to \$50,000
- Friends KPL pledged up to \$50,000
- Upgrades in main stack area
- Upgrades in 1st floor reading rooms
- Upgrades in 2nd floor meeting rooms
- Upgrades in main stairwell
- Additional rebates possible





CITY OF KEENE

Capital Improvement Program

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HVAC AND ENERGY CONSERVATION

FY27 \$179,000

FY28 \$75,000

- Upgrades to City Hall Electrical Service and Distribution System
- Updated Facilities Assessment Report





CITY OF KEENE

Capital Improvement Program

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PAVING PARKING LOTS PROGRAM

FY27 \$379,300

FY28 \$382,600

- Rehabilitation of Airport
- Rehabilitation of Recreation Center
- Future Years include Police & Library



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CITY OF KEENE

Capital Improvement Program

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MUNICIPAL BUILDING ROOFS PROGRAM

FY27 \$227,875

FY28 \$402,250

- Recreation Center – MP, storage and classrooms
- Airport Terminal
- Future years include Library, City Hall and Central Fire Station





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Information Technology



CITY OF KEENE

Capital Improvement Program

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ORGANIZATIONAL LEVEL EQUIPMENT REPLACEMENT

FY27 \$129,000

FY28 \$229,000

- Ensure hardware is supported
- Refresh hardware and software to match changing needs of organization





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Airport



CITY OF KEENE

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WILDLIFE PERIMETER FENCE PHASE III (CONSTRUCTION)

FY27 \$3,968,000

- Install approximately 17,000 linear feet of wildlife perimeter fencing to enhance airfield security, reduce wildlife incursions, and improve overall operational safety.
- Eligible for 90% federal and 5% state funding





CITY OF KEENE

Capital Improvement Program

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SNOW REMOVAL EQUIPMENT

FY27 \$1,555,556

- Replace a dump truck and the large runway broom
- Eligible for 90% federal and 5% state funding





CITY OF KEENE

Capital Improvement Program

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PAVEMENT MAINTENANCE & MARKING

FY27 \$166,666

- Restore and refresh critical airfield pavement markings to maintain compliance, enhance pilot situational awareness, and ensure continued operational safety
- Eligible for 90% federal and 5% state funding





CITY OF KEENE

Capital Improvement Program

Fiscal Years 2027-2033

Master Plan Vision

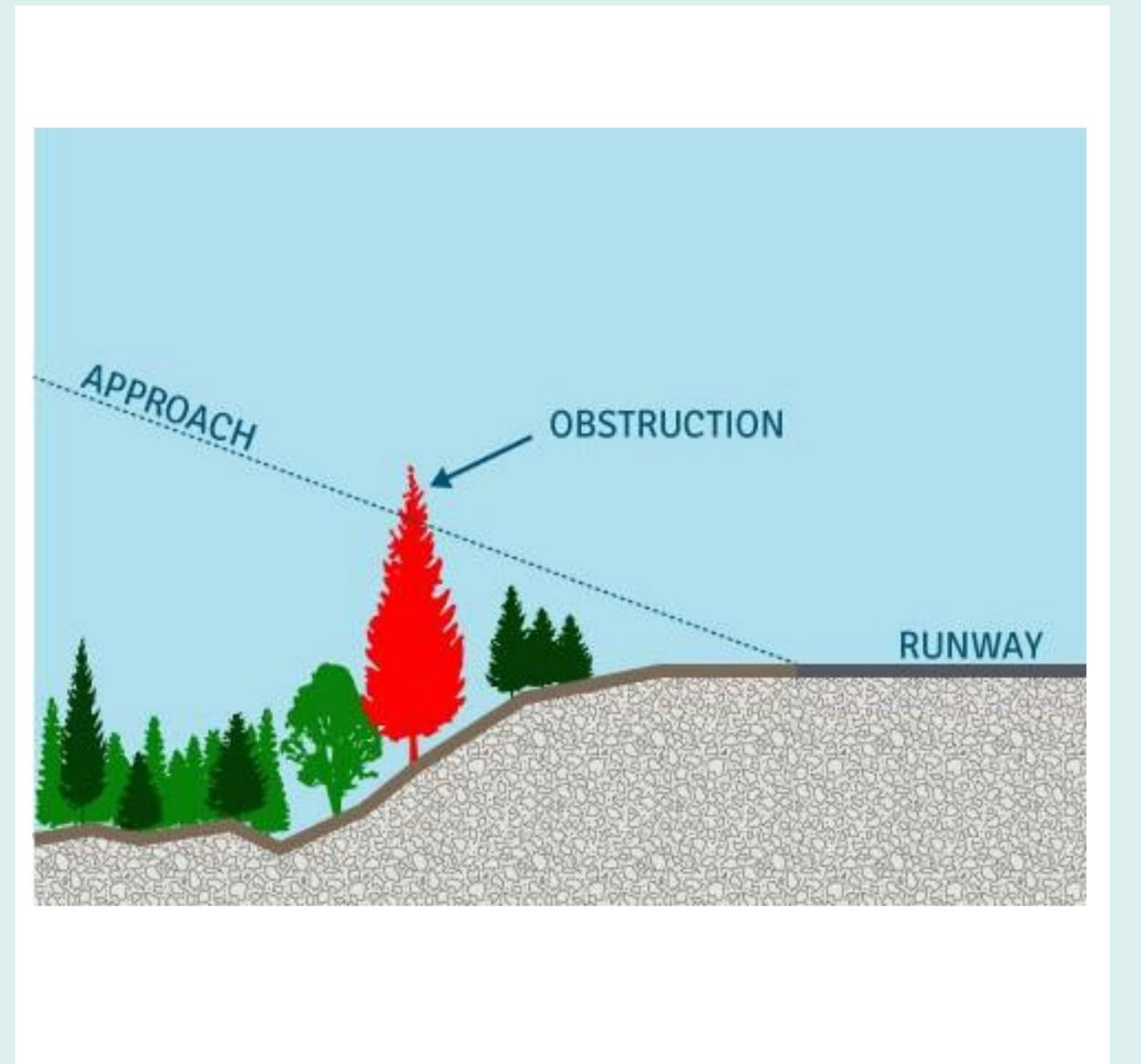
- Livable Housing
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AIRPORT OBSTRUCTION MANAGEMENT

FY27 \$500,000

FY28 \$650,000

- Identify, evaluate, and remove vegetation penetrating protected airspace surfaces to preserve approach and departure clearances and maintain FAA safety standards
- Eligible for 90% federal and 5% state funding





CITY OF KEENE

Capital Improvement Program

Fiscal Years 2027-2033

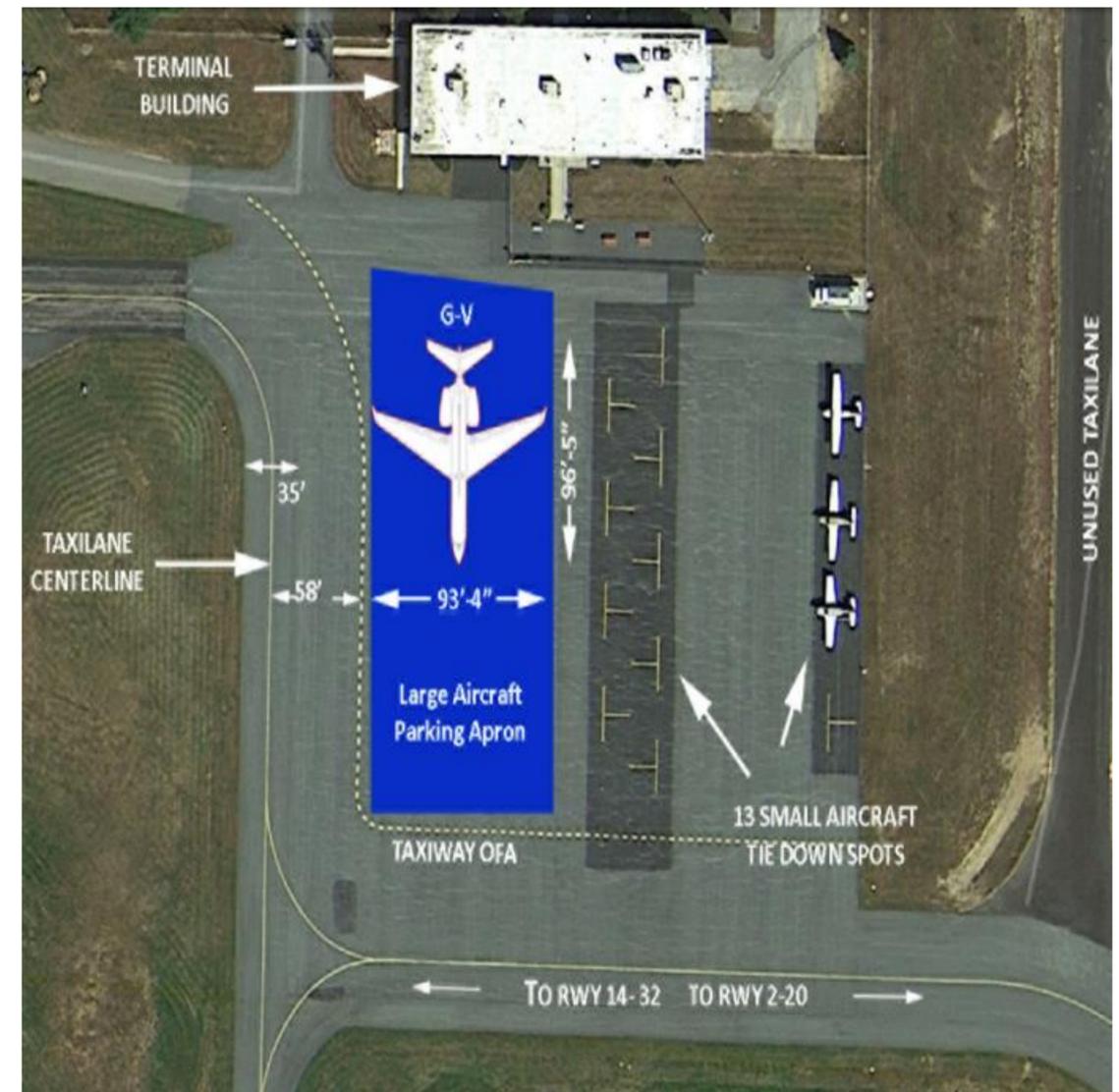
Master Plan Vision

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TERMINAL APRON EXPANSION

FY30 \$3,661,112

- Add apron space and tie-downs
- Facilitates larger aircraft and additional small aircraft
- Eligible for 90% federal and 5% state funding





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Public Works: General Fund





CITY OF KEENE

Capital Improvement Program

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ROAD PRESERVATIONS AND REHABILITATION PROGRAM

FY27 \$1,400,800

FY28 \$1,663,800

- **Scope** FY27 Downtown, rebuild of Main Street and Central Square streets.
FY28 Roxbury St, Emerald St, Whitcomb's Mill Road and surrounding streets scheduled for rehabilitation
- **Selection Criteria:** Vehicle trip data, utility work, road condition assessment, rideability scoring, grouping streets
- **Benefits:** Extend the serviceable life of the roads, minimize operating and maintenance costs for City performed road repairs





CITY OF KEENE

Capital Improvement Program

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STORMWATER RESILIENCY PROGRAM

FY27 \$3,509,300

FY28 \$1,230,700

- **Scope** FY27 Downtown, Central Square and Main Street CMP culvert and block catch basin and drain manhole replacement.
 - FY28 Court Street
 - FY29 Church Street
- **Selection Criteria:** Scheduled replacement of other utilities, road rehab needs, undersized, failed or nonfunctioning drains
- **Benefits:** Extend the serviceable life of the roads, other infrastructure, mitigation of flooding and associated damage





CITY OF KEENE

Capital Improvement Program

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WEST STREET CORRIDOR IMPROVEMENTS PROJECT

FY27 \$829,441

FY30 \$334,862

- **Funding** NHDOT 80/20 funded project for the reconstruction of West Street from Main Street to NH Rte. 9
- **Scope** The project includes road re-alignment and reconstruction, water and sewer main replacement, traffic signals, pedestrian and bicycle accessibility improvements
- **Schedule** NHDOT planned funding in FY28 for preliminary and final design. NHDOT planned funding in FY33 for construction





CITY OF KEENE

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LOWER WINCHESTER STREET CORRIDOR IMPROVEMENTS PROJECT

FY27 \$624,200

FY30 \$10,274,231

- **Funding** Inter-community, NHDOT 80/20 funded project with the Town of Swanzey for the reconstruction of West Lower Winchester Street from to NH Rte. 9 to the Swanzey town line
- **Scope** The project includes road re-alignment, two roundabouts, bridge replacement, sewer and main replacement, pedestrian and bicycle accessibility improvements
- **Schedule** Currently in ROW Phase and Final Design phases with NHDOT planned funding in FY30 for construction





CITY OF KEENE

Capital Improvement Program

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DOWNTOWN RESTROOM PROJECT

FY28 \$442,000

- **Background** The City has not had a public restroom in the Downtown area for several years. The project was developed in the interest of supporting downtown activities, visitors and the community
- **Scope** The project includes the design, permitting, furnishing and installation of a self-cleaning public restroom for the Downtown area, in proximity to the proposed Gilbo Ave Solar Pavilion Project in order to serve dual purposes for the housing of electrical components in a separate space of the building





CITY OF KEENE

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GILBO AVENUE SOLAR PAVILION PROJECT

FY27 \$2,196,000

- **Funding** Northern Borders Timber for Transit, federal grant 80/20 project funding for the design and constructing of the Gilbo Ave Solar Pavilion
- **Scope** The project is currently in preliminary design and includes the design, permitting and construction of a 30-foot by 230-foot timber frame covered structure with a rooftop photovoltaic (PV) solar array that will generate enough energy to offset the City's Downtown electrical costs





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Parking Fund



CITY OF KEENE

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SURFACE PARKING LOT MAINTENANCE PROGRAM

FY28 \$58,400

FY30 \$97,800

FY32 \$69,300

- **Background** The City owns and maintains six public lots: Gilbo Ave (East and West lots), Wells St, Commercial St, Elm St and the Library Annex
- **Scope** FY28 Rehab or replace parking lot amenities FY30 Rehab or replace parking kiosks, re-seal Commercial & Gilbo (last done in FY22), FY32 Rehab and crack seal pavement at Gilbo lots, Elm St, Wells St (last done in FY25)





CITY OF KEENE

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CITY HALL PARKING STRUCTURE MAINTENANCE PROGRAM

FY27 \$96,000

FY30 \$74,000

FY33 \$50,000

- **Background** The City Hall parking garage was constructed in the late 1980s and requires rehabilitation, repairs and replacement for wear and use every three to four years
- **Scope** FY27 structure repairs, traffic membrane and misc. improvements FY30 Concrete repairs, repainting metal railing, replace lights and pay kiosk, FY32 re-seal concrete surfaces to extend the serviceable life of the facility





CITY OF KEENE

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WELLS STREET PARKING STRUCTURE MAINTENANCE PROGRAM

FY28 \$50,000

FY32 \$65,000

- **Background** The Well Street parking garage was constructed in 1998 and requires rehabilitation, repairs and replacement for wear and use every three to four years
- **Scope** FY28 Clean, repair and recoat metal surfaces and railings FY32 re-seal concrete surfaces to extend the serviceable life of the facility
- **Funding/Planning** Funding years alternate from the City Hall Garage planned funding years





CITY OF KEENE

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EV CAR CHARGING STATIONS PROGRAM

FY29 \$50,000

FY32 \$232,800

- **Background** The City furnished and installed EV car charging stations in 2015 with planned additional stations in FY27 in the 2025-2031 CIP. With a noted decline in use, this purchase of additional EV Car charging stations has been pushed further out in order to assess and confirm the need and demand for additional charging stations
- **Scope** FY29 Maintain and rehab existing stations. FY32 furnish and install five dual port EV car charging stations





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Solid Waste Fund



CITY OF KEENE

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FIRE SUPPRESSION SYSTEM PROJECT

FY27 \$250,000

- 5 recent fires w/property & equipment damage
- Existing 30,000-gallon cistern
- Existing sprinkler heads
- Project involves connecting water tank to sprinklers
- Currently have dry system
- Looking to add fire pump & piping to sprinkler heads for immediate water response





CITY OF KEENE

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RECYCLING EQUIPMENT REPLACEMENT FY28 \$75,000

- Equipment is 30+ yrs. old
- Recent contract to replace in-feed & sort line conveyors.
- Cross belt magnet planned for FY28
- Eddie Current separator will need to be replaced in the in coming years
- Replacement or Rebuild planned for bailer in FY31





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Sewer Fund



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BLACKBROOK WASTEWATER PUMP STATION UPGRADE

FY27 \$300,000

FY29 \$1,910,000

- **Improved System:** Design upgrades to station including pumps, motors and all related electrical gear. New back up power generator for operation during power outages
- **Removal:** New screening technology for trash removal from wastewater stream.
- **Growth:** New station will allow for further growth in the industrial park area





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WWTP CHEMICAL FEED SYSTEM UPGRADE PROJECT

FY27 \$100,000

FY29 \$500,000

- **Better Pricing:** tote price is 0.168/lb
bulk price is 0.109/lb
Would save **\$30,000 to \$43,000** annually based on use
- **Safer:** eliminates potentially hazardous transport of dangerous chemical by personnel and heavy equipment
- **Better Processes:** would keep chemical and equipment from exposure to harsh weather that can affect the pumping process





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CLARIFIER EQUIPMENT REPLACEMENT PROJECT

FY27 \$40,000

FY28 \$240,000

- **Less Metals:** Replaces aluminum weirs and baffles with composite materials lowering exposure to aluminum limits required by discharge permit
- **Better Water:** Smoother transfer of water through the new system decreases the fowling potential leading to higher quality effluent water to receiving waters





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SEWER IMPROVEMENTS PROGRAM

FY27 \$1,511,700

FY28 \$1,713,400

- **Scope** FY27 Downtown replace 5,000 feet undersized pre-1900 sewer main and laterals FY28 George Street and Sullivan Street replace 3,000 feet of 1920's sewer main and laterals
- **Benefits:** Eliminates infiltration into the system, reduces maintenance, operating wastewater treatment costs to the City and Property Owners to clear and repair the sewer main and laterals.





CITY OF KEENE

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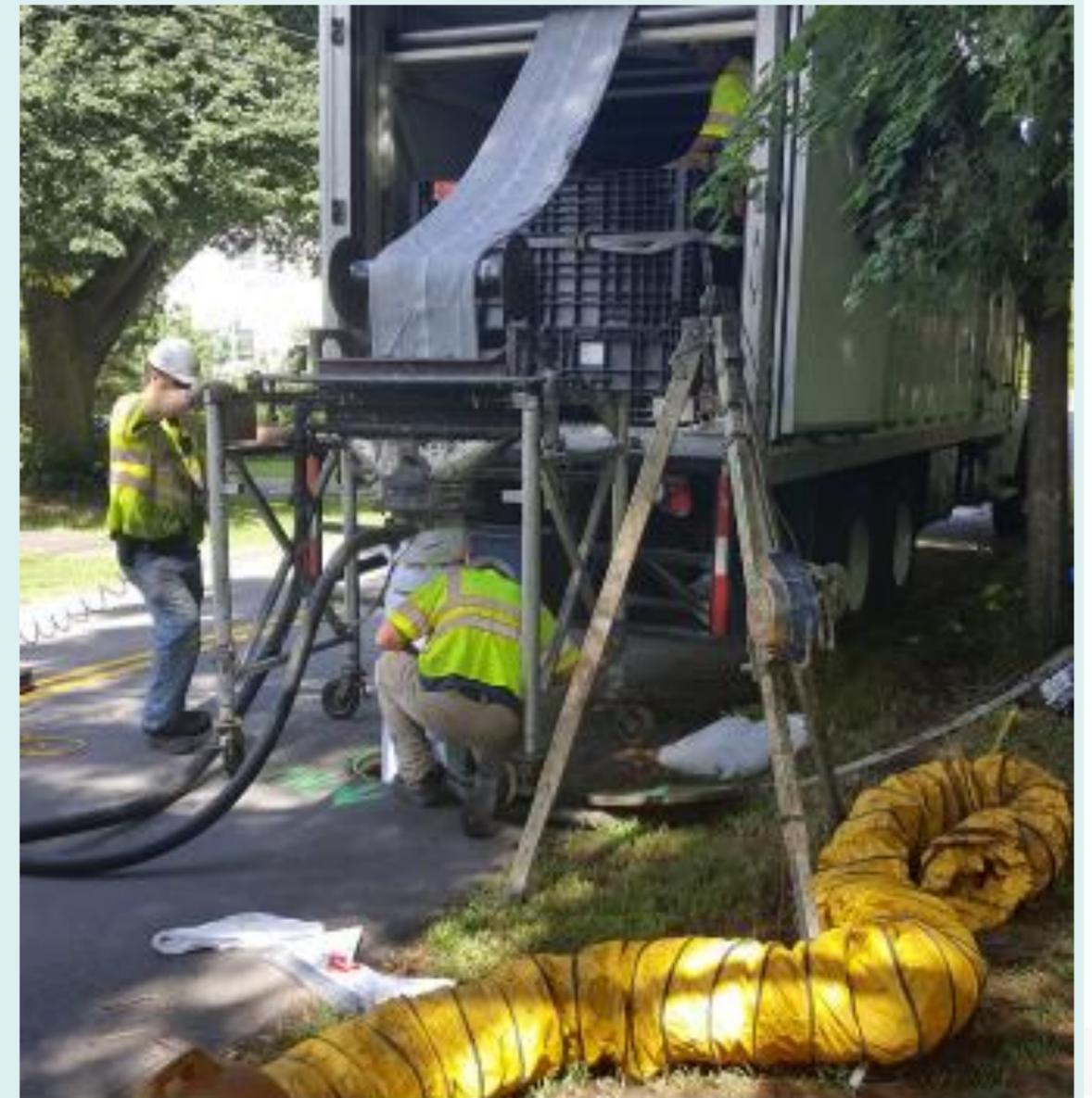
- Livable Housing
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SEWER MAIN LINING PROGRAM

FY29 \$225,000

FY30 \$232,900

- **Scope** Lining of the City's existing sewer mains, where feasible based on the existing conditions.
- **Benefits:** Eliminates infiltration into the system, reduces maintenance, operating wastewater treatment costs to the City and Property Owners to clear and repair the sewer main and laterals. Less costly, less disturbance and less required road repair as compared to conventional dig replacement methods.





CITY OF KEENE

Capital Improvement Program

Fiscal Years 2027-2033

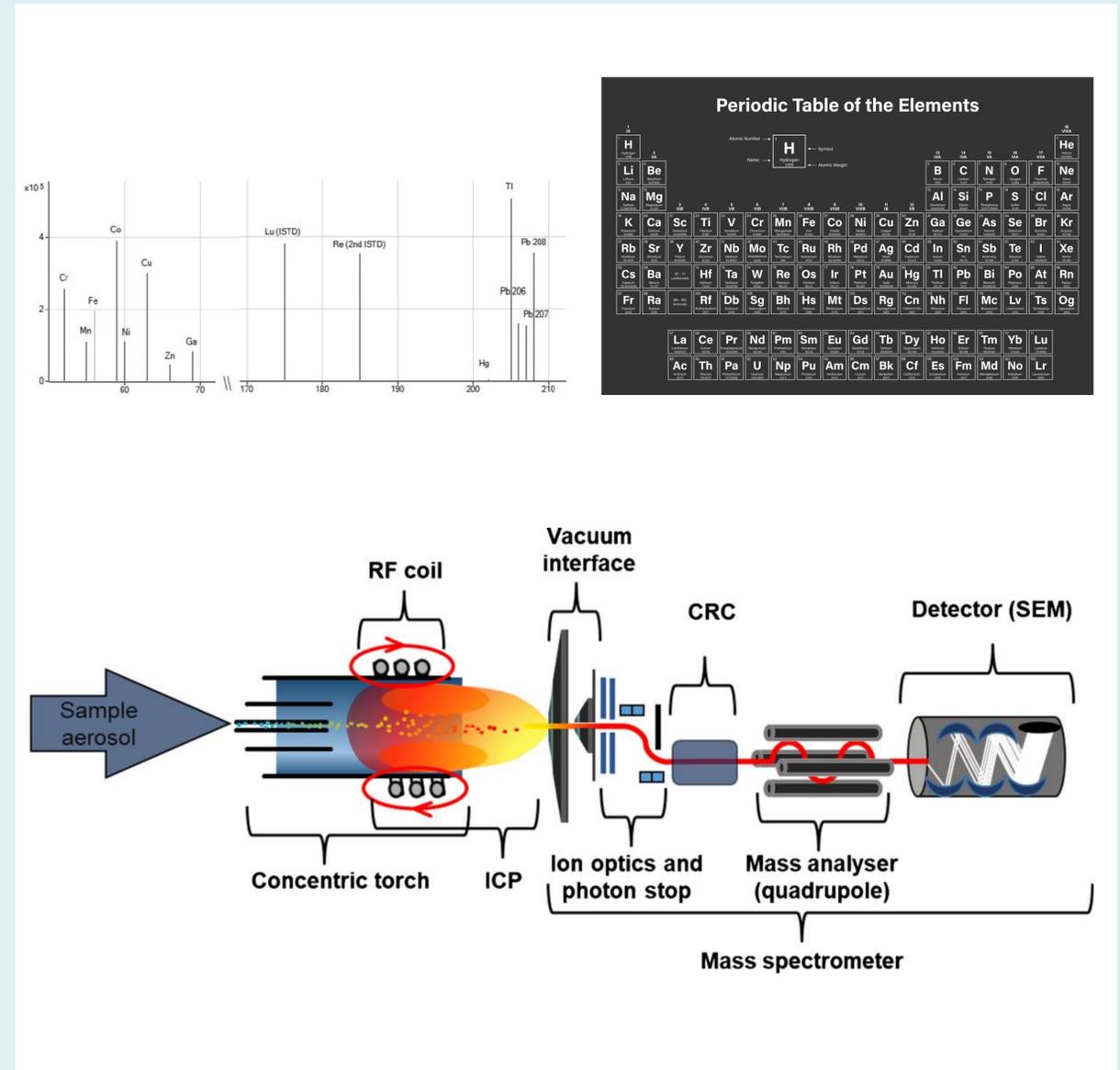
Master Plan Vision

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WWTP LABORATORY INSTRUMENTATION & EQUIPMENT REPLACEMENT PROGRAM

FY27 \$105,000 – Sewer
 \$105,000 – Water

- Replaces Atomic Absorption Spectrometer with Inductively Coupled Plasma Mass Spectrometer (ICP-MS)
- **Improved detection** of metals and minerals: more elements tested at a lower concentration
- **Higher throughput:** more samples analyzed in less time, improved monitoring programs
- Testing wastewater for regulatory compliance and monitoring drinking water quality





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Water Fund



CITY OF KEENE

Capital Improvement Program

Fiscal Years 2027-2033

Master Plan Vision

- Livable Housing
- Thriving Economy
- Connected Mobility
- Vibrant Neighborhoods
- Adaptable Workforce
- Flourishing Environment

WELL FIELD UPGRADE PROGRAM

FY27 \$35,000

FY28 \$4,229,000

- **Water Quality:** Design for upgrades at the Court St well Fields with construction funds in FY 2028
- **Energy Efficiency:** Complete renovations to 3 wells and all related electrical components
- **Security:** Installation of fencing around the sanitary protective radius at the West St Well in FY 2027





CITY OF KEENE

Capital Improvement Program

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GLENN RD AND FOX AVE WATER PUMP STATION PROJECT

FY27 \$190,000

- **Energy Saving:** Complete rehabilitation of Glenn Rd water booster Station including pumps, motors and more efficient electrical components
- **Quality and Safety:** new equipment will allow for better fire flow and overall water quality
- **Future:** FY30 funds similar upgrades to Fox Ave booster Station





CITY OF KEENE

Capital Improvement Program

Fiscal Years 2027-2033

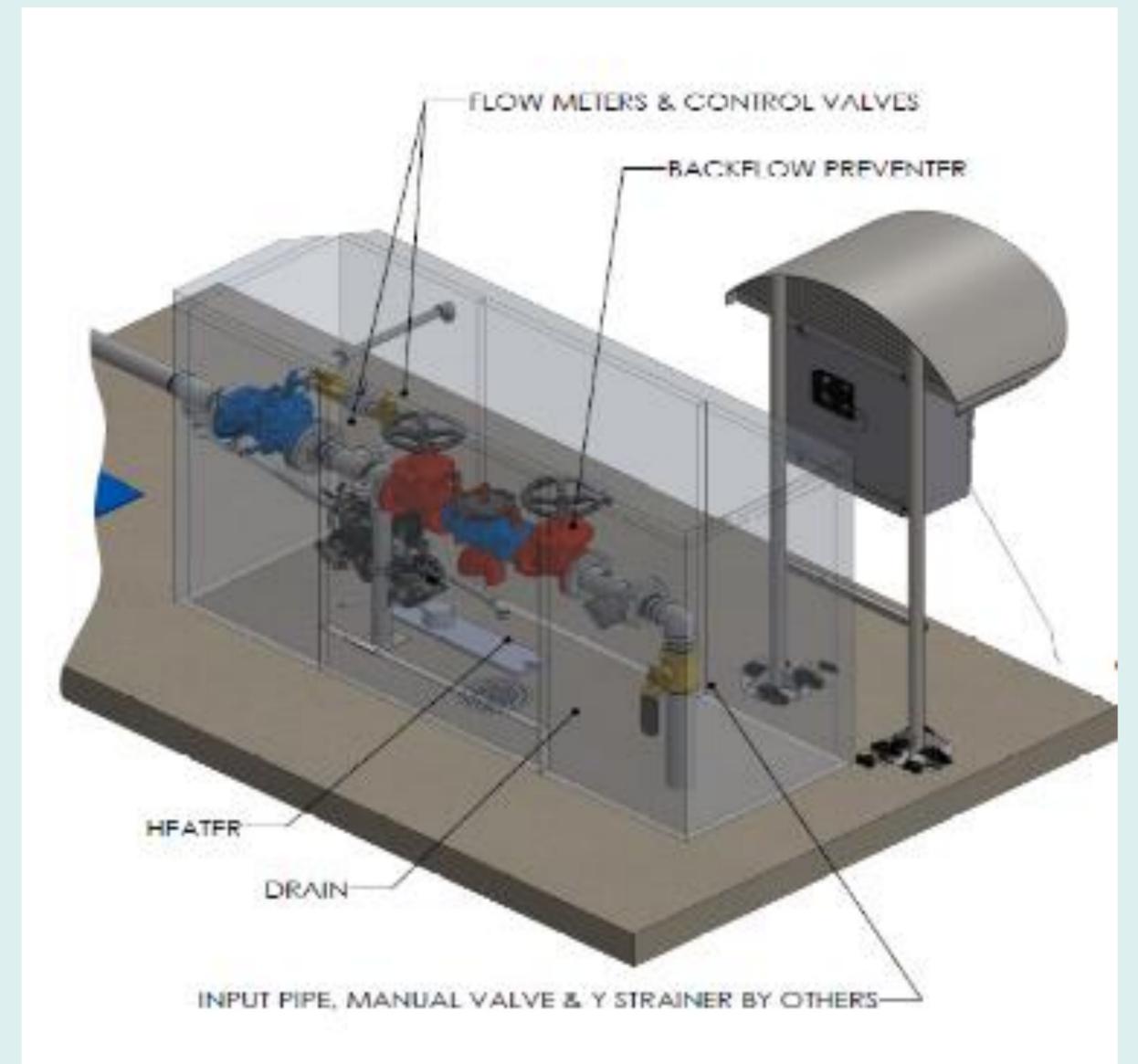
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BULK WATER FILL STATION

FY27 \$121,000

- **Convenience:** allows water haulers opportunity to purchase water 24/7/365 with user friendly touch screen and credit card reader
- **Revenue:** Different rate structure will allow an opportunity for a new additional revenue source for the City





CITY OF KEENE

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WATER DISTRIBUTION SYSTEM IMPROVEMENTS PROGRAM

FY27 \$1,814,500

FY28 \$1,637,900

- **Scope:** FY27 Downtown, replace 5,150 feet of pre-1900's water main.
FY28 Hastings Avenue, replace 3,400 feet of 1920's water main
- **Water Quality:** Improve water system quality, water pressure and reduce water main breaks with the increased pipe sizes and interconnections with the replacement water mains.





CITY OF KEENE

Capital Improvement Program

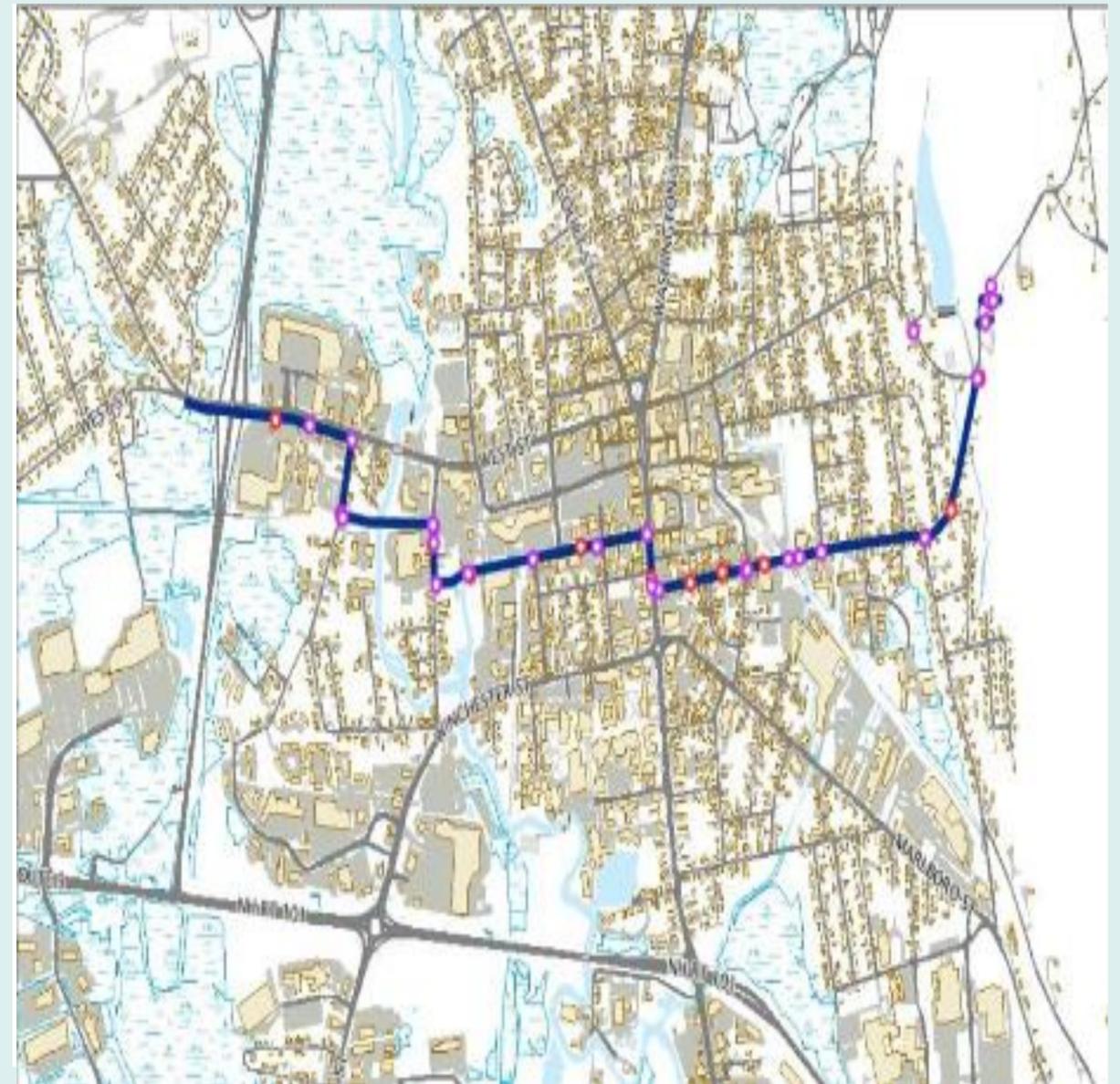
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TRANSMISSION WATER MAIN INSPECTION AND CONDITION ASSESSMENT PROJECT FY27 \$250,000

- **Scope:** Perform an inspection of the City's existing 16-inch transmission water main and develop recommendations for repairs.
- **Water Quality:** Minimize water main breaks and disruption to water system availability by identifying the necessary extents of the water main repair requiring repair and/or replacement.





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- ### Master Plan Vision
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Equipment Fund



CITY OF KEENE

Capital Improvement Program

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Master Plan Vision

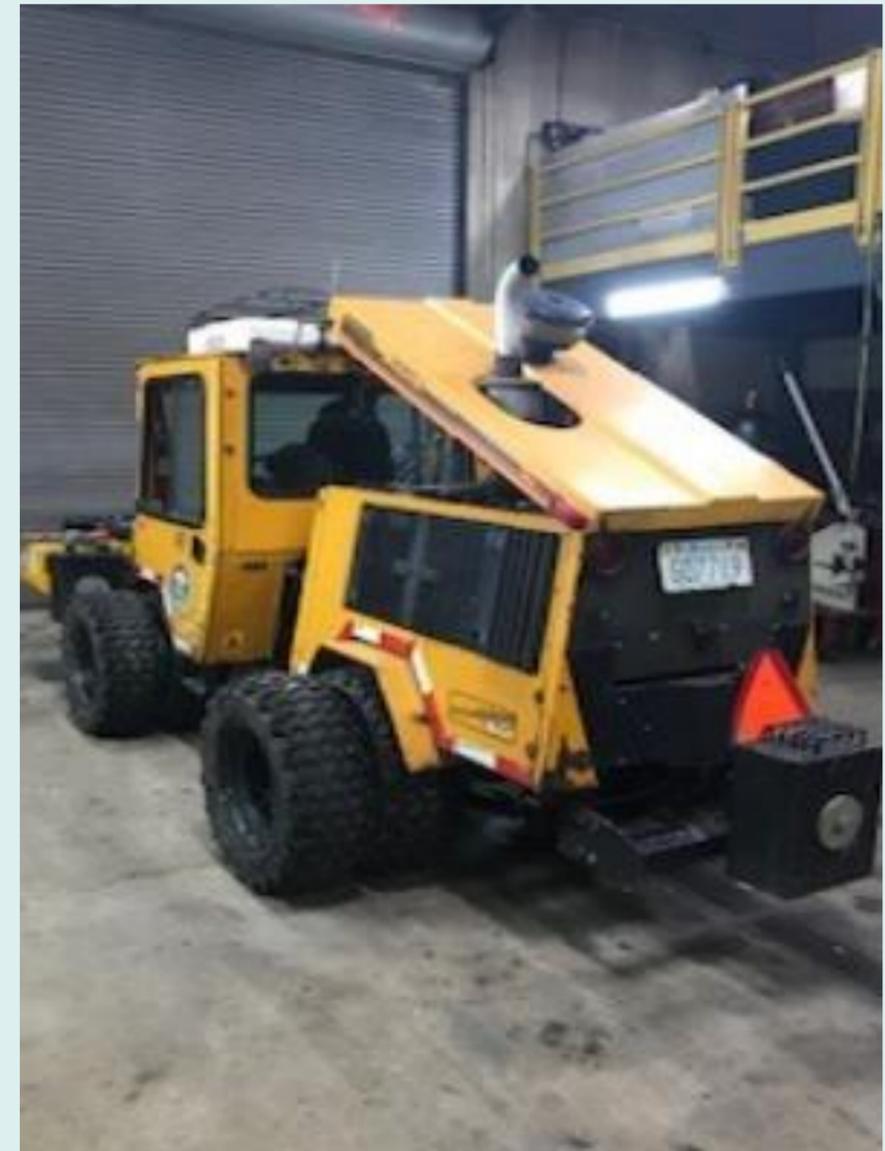
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EQUIPMENT REPLACEMENT PROGRAM

FY27 \$943,233

FY28 \$884,666

- 162 Vehicles
- Based on age, condition, trade-in value, user needs
- Retired patrol cars recycled
- Replacement only at end of useful life





CITY OF KEENE

Capital Improvement Program

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FLEET BUILDING UPGRADE

FY28 \$110,000

FY29 \$900,000

- Number of bays half of what is required
- Bay size smaller than optimal
- Lack of space
- Overhead doors too small

