

City of Newark - 2016 CIP Plan Year - Funding Priorities

Dept	Proj #	Description	Priority	Total Cost	2016 Funding	Reserves & Other Funding	Notes	Comp Plan Vision Element
Electric	E1601	New Lines & Services	1	125,000	125,000	-	Needed for new line work for projects that don't have separate projects	Sustainable Community
Electric	E1504	LED Streetlight Installation	1	459,759	-	459,759	Project underway; approved by Council	Sustainable Community
Electric	E1402	12 KV Line Extension	1	42,765	-	42,765	Project underway	Sustainable Community
Electric	E1403	Conductor Upgrades	2	190,000	190,000	-	Project underway; important to reduce line losses and improve system reliability	Sustainable Community
Electric	E1105	New Transformers & Circuit Breakers	1	606,000	606,000	-	Project underway; required for load growth	Sustainable Community
Electric	E0903	12KV Changeover	1	29,895	-	29,895	Project underway; reduces line losses and saves money	Sustainable Community
Electric	E0503	SCADA & Automatic Switching	1	501,000	482,000	19,000	Needed to complete SCADA project including the addition of remote alarming, afterhours access and automatic switching (reduces outages/outage time)	Sustainable Community
Electric	EEQSF	Vehicle Replacement Program	1	360,000	-	360,000	Funded with equipment depreciation reserves; identified by maintenance team as necessary replacement in 2016; see detail sheet	Sustainable Community
Water	W1602	Roseville Park Pressure District	2	25,000	25,000	-	Area routinely experiences low water pressure and little to no fire flow. Project would explore options to increase pressure and flow.	Sustainable Community
Water	W1501	Reservoir Upgrades	2	50,000	-	50,000	Will improve water quality and increase the amount of usable water in the event of a drought	Sustainable Community
Water	W1503	Academy Street Interconnection Station	1	42,500	-	42,500	We plan to repair a second existing pump to buy a few years to get through design. This is the only way to get a large quantity of water into the city if one of the plants were to go down for more than a couple of days.	Sustainable Community
Water	W1401	Re-Bed Filters 1 and 2	2	263,250	40,000	223,250	High, essential to proper operation of the South Well Field. We have already delayed this for two years and will be underway - 1Q 2016	Sustainable Community
Water	W1402	Air Stripper Replacement/Storage Tank Config.	3	150,000	75,000	75,000	High Priority / could be upgraded to a 2, this is needed before we can perform maintenance on the two 500k gallon tanks at SWF. Air stripper can't be taken offline without shutting down the entire plant for duration of tank project (8-12 weeks). Also currently not sufficient to bring well 14 online	Sustainable Community
Water	W1302	Abandon Old Wells	2	40,000	40,000	-	Source water protection effort	Sustainable Community
Water	W1303	Water System Master Plan	2	52,150	-	52,150	High priority, essential to asset management, SCADA, and general modernization of department	Sustainable Community
Water	W1304	Eliminate Tank Overflows	1	67,660	-	67,660	High Priority, This needs to happen when Windy Hills is repainted	Sustainable Community
Water	W1201	Water Main: Windy Hills to Red Mill	1	329,350	309,500	19,850	High Priority, Underway, plans 75% complete with construction scheduled for spring 2016. Necessary for looped connection east of Windy Hills Bridge	Sustainable Community
Water	W1101	Curtis Plant Intake Replacement	1	172,440	-	172,440	High priority, hazard mitigation, ongoing project, critical infrastructure	Sustainable Community
Water	W1102	Lime Silo/Delivery Rehabilitation	2	13,650	-	13,650	High Priority, underway, waiting on lime level in silo to get low enough to install bin level sensor	Sustainable Community

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Water	W1104	Finish Water Mixer	1	30,001	30,001	-	Underway, high priority, all-weather lime injection point post-treatment to efficiently and properly manage pH level	Sustainable Community
Water	W0503	Well Restoration	2	25,551	-	25,551	High priority but slightly less critical than other level 2 projects; we may be able to put this off for a year but not a great idea	Sustainable Community
Water	W0002	Alternative Disinfection Equipment	2	250,000	190,000	60,000	High, engineering underway, hazard mitigation and industrial hygiene	Sustainable Community
Water	W9302	SCADA System	1	75,000	75,000	-	High priority, underway, essential for ability to monitor and operate the system	Sustainable Community
Water	W9308	Water Main Renovation Program	2	1,000,000	576,106	423,894	High, infrastructure replacement	Sustainable Community
Water	W8605	Water Tank Maintenance	2	475,000	475,000	-	High, Tanks need to be maintained according to AWWA Standards. Tanks have not been maintained on this schedule and we are catching up according to the prescribed schedule in CIP. - Louviers Tank in 2016	Sustainable Community
Water	T0101	NPDES Phase II Stormwater Quality	1	40,000	-	40,000	High if the new permit comes as currently written.	Sustainable Community
Water	WEQSF	Vehicle Replacement Program	1	275,000	-	275,000	Funded with equipment depreciation reserves; identified by maintenance team as necessary replacement in 2016; see detail sheet	Sustainable Community
Sewer	S1601	Spare Sewer Pumps	3	60,000	60,000	-	Project could be upgraded to a 2, high priority - Sewer pump rental, in the case of a failure or maintenance, can cost as much as a new pump as demonstrated in 2014 at Silverbrook PS. Buying a backup for each station will allow for maintenance of existing pumps without the rental cost of a pump.	Sustainable Community
Sewer	S1602	Sewer SCADA	1	25,000	25,000	-	High, essential for monitoring and operation of sewer pump stations	Sustainable Community
Sewer	S0904	Sanitary Sewer Study & Repairs	1	500,000	94,154	405,846	High, underway, repairs are critical to system operation and the reduction of instances of backups	Sustainable Community
Sewer	S1501	Sewer System Master Plan	1	250,000	34,712	215,288	High, essential to asset management, SCADA, and general modernization of department	Sustainable Community
Sewer	S1201	Sewer Jet Truck 243 Replacement	1	300,000	-	300,000	High, critical to system operations. Bid documents have been advertised and bids expected in December.	Sustainable Community
Refuse	R1501	Automated Yard Waste Carts	1	25,000	25,000	-	High, underway; automation of yard waste is necessary with proposed trucks and safety efforts	Sustainable Community
Refuse	REQSF	Vehicle Replacement Program	1	1,078,000	-	1,078,000	Underway, approved by Council	Sustainable Community
Street	H1601	Annual Street Program	2	1,000,000	329,151	670,849	High, street and curb rehabilitation is critical to stem the degradation of our street network.	Sustainable Community
Street	H1602	ADA Handicap Ramp Transition Plan	1	120,000	90,000	30,000	High, mandated per ADA	Inclusive Community
Street	H1603	Pothole Patcher	2	70,000	70,000	-	Medium-High, looking at alternatives for pothole patching, however, would need to delay this purchase until 2017 if alternatives fail to provide sufficient resolution.	Sustainable Community
Street	H1503	Newark Transportation Plan Implementation	2	380,000	57,759	322,241	Project could be downgraded to medium-high or medium; optional effort to implement transportation plan; majority of funding is non-City funding	Healthy & Active

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Street	H1403	Pedestrian Crossing Signalization	1	100,000	-	100,000	Underway, approved by Council	Healthy & Active
Street	H1301	Storm Drainage Improvements	1	131,922	93,823	38,099	High, Paper Mill Road repair work currently underway; other CMP are failing and need to be replaced	Sustainable Community
Street	H0206	Municipal Bldg Parking Lot Improvements	2	30,000	30,000	-	High, lot is in poor shape and in need of resurfacing. Could downgrade to medium and delay to 2017, especially if alternative / green funding can be used to support expanded project	Sustainable Community
Street	HEQSF	Vehicle Replacement Program	1	330,000	-	330,000	Funded with equipment depreciation reserves; identified by maintenance team as necessary replacement in 2016; see detail sheet	Sustainable Community
Maintenance	M1101	Maint Yard Master Plan/Salt Shed Replacement	1	350,000	128,353	221,647	High, underway; salt shed is in need of remediation after delaying this project in 2014 and 2015 to accomodate the refuse contract discussions.	Sustainable Community
Police	C1601	Taser X26P Replacement	2	18,270	-	18,270	High Priority. Less lethal weapon utilized by officers to defend from aggressive or actively resistant persons while reducing risk of receiving or inflicting injury.	Sustainable Community
Police	C1501	Leica Geosystems - Total Station	2	35,000	35,000	-	High Priority. Investigative tool used to analyze collision and crime scenes. Equipment will aid in minimizing traffic interruptions and maximizing accuracy to allow for more effective prosecution.	Sustainable Community
Police	C1401	Ballistic Vests	1	26,195	6,177	20,018	High priority, critical safety issue, vests have five-year life	
Police	CEQSF	Vehicle Replacement Program	1	176,500	-	176,500	NPD vehicles and motorcycles in need of replacement; most were delayed in 2015 budget and must be replaced	Sustainable Community
Parks & Rec	K1601	Bicycle/Pedestrian Bridge-Curtis Mill/Kershaw	1	200,000	-	200,000	Federal funding secured for \$1 million DeIDOT project; local 20% match secured by DTF grant funding. Part of master plan since 2011; DeIDOT is proceeding with project.	Healthy & Active
Parks & Rec	K1602	Picnic Shelter-Folk Park	4	45,000	45,000	-	Mayor Sierer has requested this be a priority in 2016	Healthy & Active
Parks & Rec	K1603	Wood/Brush Chipper	2	41,000	41,000	-	Needed due to high volume of tree work done in parks.	Sustainable Community
Parks & Rec	K1604	Pool Resurfacing	2	25,000	25,000	-	Pool surfaces are cracking and need to be resurfaced	Healthy & Active
Parks & Rec	K1605	Redd Park Trail Improvements	2	20,000	4,000	16,000	Need to replace a temporary construction bridge and complete trail work/improvement started 3 years ago.	Healthy & Active
Parks & Rec	K1502	Fitness Stations	4	20,000	20,000	-	Continuation of a program started in 2015 to provide additional fitness opportunities along trails	Healthy & Active
Parks & Rec	K1301	Hard Surface Facility Improvements	2	31,500	-	31,500	This is a service level / quality of life issue for Newark residents	Healthy & Active
Parks & Rec	K1303	Facilities Accessibility	3	40,000	-	40,000	Medium-High Priority, ADA compliance requirements	Inclusive Community
Parks & Rec	K1005	Rittenhouse Footbridge Rehabilitation	3	35,000	10,000	25,000	Structural and aesthetic rehab for public safety and trail connectivity	Healthy & Active
Parks & Rec	K0908	Play Equip Purch-Rittenhouse,Phillips, Stafford	2	60,000	60,000	-	Replacement of children's play units to comply with ASTM and CPSC standards and install new units for children ages 2 -5 years.	Healthy & Active
Parks & Rec	KEQSF	Vehicle Replacement Program	1	30,000	-	30,000	Funded with equipment depreciation reserves; identified by maintenance team as necessary replacement in 2016; see detail sheet	Sustainable Community
Admin	A1601	Building Demolition	4	22,000	22,000	-	Important to demolish this property once legally able to do so / possible safety issue	Not Applicable
Code Enf Div	B1601	Municipal Building Improvements	2	70,570	13,190	57,380	High priority, building security and customer service improvements.	Sustainable Community

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Code Enf Div	B1602	Holding Cells' Ceilings	2	38,000	38,000	-	High Priority – safety. Ceilings in cells are too low and prisoners access the fasteners (holding the tongue and groove ceiling tiles in place at the wall) and use them as weapons	Sustainable Community
Code Enf Div	B1604	Garage Renovations	4	16,695	16,695	-	Medium priority - building maintenance and energy improvements.	Sustainable Community
Code Enf Div	B1501	Fire Alarm Panel Replacements	2	35,250	-	35,250	Underway; high priority. Critical safety need. System is old, replacement parts are no longer available and trouble indicator lights are burned out. System in danger of failure and should be replaced ASAP.	Sustainable Community
Parking	V1601	Parking Lot Surveillance Cameras	3	65,000	65,000	-	Critical for safety; NPD regularly request footage from lots but quality is poor and an upgrade is critical to parking and police operations.	Healthy & Active
Parking	V1403	Site Preparation for Lot #1 Parking Garage	4	155,328	-	155,328	Will need when garage pursued; but even if not pursued or delayed, we would benefit from additional surface parking in lot #1, which is the goal of this project - house demolition and surface parking	Sustainable Community
Parking	V1001	Parking Lot Surface Maintenance	2	26,250	-	26,250	Routine, ongoing parking lot surface repair and maintenance program totaling more than \$500,000. The \$26,250 scheduled for Lot #4 in 2016 is the most critical and must be done in 2016.	Sustainable Community
Parking	VEQSF	Vehicle Replacement Program	1	27,500	-	27,500	Funded with equipment depreciation reserves; identified by maintenance team as necessary replacement in 2016; see detail sheet	Sustainable Community
Info Tech	I1602	Harris Utility Environment Upgrade	2	73,000	73,000	-	Necessary to ensure performance and stability of utility payment system. Current infrastructure will be out of warranty in 2016.	Sustainable Community
Info Tech	I1604	City-Leased Fiber Network	3	100,000	-	100,000	Necessary to improve performance of city cameras, wireless nodes and connectivity to city buildings.	Healthy & Active
Info Tech	I1606	Disaster Recovery and Planning	2	56,000	56,000	-	Necessary to provide secondary data center site for resiliency and backup strategy.	Sustainable Community
Info Tech	I1607	Rugged Tablets for Electric and PWWR	4	32,000	32,000	-	Necessary for GIS use in field by Electric, PWWR and ParksRec.	Sustainable Community
Info Tech	I1608	Digital Records Management	2	140,000	-	140,000	Necessary to fulfill request by City Council to digitize critical city documents and store them off-site in case of flood or fire at City Hall. Also needed to begin clearing filing cabinets within the building to increase usable square footage. Lastley, this will provide the foundation for a more transparent government.	Not Applicable
Info Tech	I1508	Gasboy Pump Station Replacement	2	25,000	25,000	-	Project is required due to already defunct gas pump software and tracking capabilities. This is a required upgrade to continue pumping fuel for city vehicles.	Sustainable Community

Summary of 2016 Net CIP Spending by Department and Priority

Priority Levels



Department	1	2	3	4	Grand Total
Water	414,501	1,346,106	75,000		1,835,607
Electric	1,213,000	190,000			1,403,000
Street	183,823	486,910			670,733
Sewer	153,866		60,000		213,866
Parks & Rec	-	130,000	10,000	65,000	205,000
Info Tech		154,000	-	32,000	186,000
Maintenance	128,353				128,353
Code Enf Div		51,190		16,695	67,885
Parking	-	-	65,000	-	65,000
Police	6,177	35,000			41,177
Refuse	25,000				25,000
Admin				22,000	22,000
Grand Total	2,124,720	2,393,206	210,000	135,695	4,863,621

Priority	Description
1	Highest Priority Level by default because project is underway and must be completed with the reserve funding identified
2	High Priority Level – Critical need to remediate failing service, prevent failure, or generate savings
3	Medium High – the City would be taking a calculated risk in the deferral of this item
4	Medium – this project is a NEED and not a WANT, but there is no significant risk in deferring this project or purchase
5	Medium Low – this project is a NEED and not a WANT, but it can start in year two of this CIP or later