

Exhibit A (201030 and 201031)
Authorized and Unissued Notes and Bonds

<u>Purpose</u>	<u>Resolution File No.</u>	<u>Adoption Date or Budget Year</u>	<u>Notes</u>	<u>Bonds</u>
Renewal & Development Projects				
Business Improvement Districts	161117	1/18/17	32,164.02	32,164.02
In Rem Property Program	201019	1/19/21	175,000.00	175,000.00
Commercial Investment Program (Facade)	181353	1/15/19	443,689.00	443,689.00
Commercial Investment Program (Facade)	191393	1/21/20	1,000,000.00	1,000,000.00
Commercial Investment Program (Facade)	201019	1/19/21	1,000,000.00	1,000,000.00
Brownfield Program	201019	1/19/21	500,000.00	500,000.00
Concentrated Blight Elimination	201019	1/19/21	2,200,000.00	2,200,000.00
Code Compliance Program	201019	1/19/21	800,000.00	800,000.00
Library Improvements				
2019 Central Library Imp. Fund	181351	1/15/19	750,000.00	750,000.00
2020 Central Library Imp. Fund	191391	1/21/20	890,000.00	890,000.00
2021 Central Library Imp. Fund	201017	1/19/21	1,250,000.00	1,250,000.00
2020 Neighborhood Library Imp Fund	191391	1/21/20	260,358.00	260,358.00
2021 Neighborhood Library Imp Fund	201017	1/19/21	205,000.00	205,000.00
2017 Branch Library New Construction	161115	1/18/17	1,054,173.00	1,054,173.00
2018 Branch Library New Construction	171353	1/17/18	373,548.00	373,548.00
2019 Branch Library New Construction	181351	1/15/19	1,400,000.00	1,400,000.00
IT Security	201017	1/19/21	225,000.00	225,000.00
Public Buildings				
Facility Systems Program	191392	1/21/20	400,000.00	
Facility Systems Program	201018	1/19/21	1,100,000.00	
Facilities Exterior Upgrade Program	191392	1/21/20	970,000.00	
Facilities Exterior Upgrade Program	201018	1/19/21	1,100,000.00	
Environmental Remediation Program	181352	1/15/19	9,000.00	
Environmental Remediation Program	191392	1/21/20	28,000.00	
Environmental Remediation Program	201018	1/19/21	115,000.00	
ADA Compliance Program	171354	1/17/18	190,000.00	
ADA Compliance Program	191392	1/21/20	500,000.00	
ADA Compliance Program	201018	1/19/21	700,000.00	
Space Planning - Facilities	191392	1/21/20	127,000.00	
Space Planning - Facilities	201018	1/19/21	200,000.00	
City Hall Foundation & Hollow Walk	191392	1/21/20	6,499,649.00	
City Hall Foundation & Hollow Walk	201018	1/19/21	8,425,000.00	
DOA: IT Upgrades	161116	1/18/17	250,035.00	
DOA: IT Upgrades	171354	1/17/18	200,000.00	
DOA: IT Upgrades	181352	1/15/19	300,000.00	
DOA: IT Upgrades	191392	1/21/20	125,000.00	
Health: Facilities Capital Projects	191392	1/21/20	205,000.00	
Health: Facilities Capital Projects	201018	1/19/21	250,000.00	
North Point Lake Tower Restoration	171354	1/17/18	49,991.00	
Brine Makers	201018	1/19/21	317,800.00	
Assessor: Assessment Software	161116	1/18/17	334,930.00	
DOA: Corporate Database Upgrade	201018	1/19/21	650,000.00	
DOA: Better Building Challenge	181352	1/15/19	88,047.00	
DOA: Better Building Challenge	201018	1/19/21	100,000.00	
Health: Lead Paint Prevention	191392	1/21/20	340,000.00	
Assessor: Modernization	161116	1/18/17	170,000.00	
Assessor: Modernization	171354	1/17/18	170,000.00	
Health: Lab Equipment	171354	1/17/18	165,000.00	
Health: Lab Equipment	181352	1/15/19	265,000.00	
Health: Lab Equipment	191392	1/21/20	100,000.00	

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Public Buildings (continued)				
Health: Lab Equipment	201018	1/19/21	800,000.00	
DOA: Peoplesoft PUM Upgrade	191392	1/21/20	150,000.00	
DOA: Peoplesoft PUM Upgrade	201018	1/19/21	150,000.00	
Health: Electronic Health Records and Billing	201018	1/19/21	200,000.00	
DOA: GIS Street Data Modernization	181352	1/15/19	125,853.00	
DOA: CityWatch Replacement	181352	1/15/19	100,000.00	
DOA: Phone Voice Recording Replacement	181352	1/15/19	100,000.00	
F&P: Unified CAD Study	191392	1/21/20	5,000,000.00	
DOA: Fleet Scheduler	191392	1/21/20	400,000.00	
DOA: ERP System Replacement	191392	1/21/20	100,000.00	
DOA: Cyber Security	201018	1/19/21	200,000.00	
Rubbish				
2018 Major Capital Equipment	171358	1/17/18	229,000.00	229,000.00
2019 Major Capital Equipment	181356	1/15/19	1,990,000.00	1,990,000.00
2020 Major Capital Equipment	191396	1/21/20	4,269,561.00	4,269,561.00
2021 Major Capital Equipment	201022	1/19/21	6,700,000.00	6,700,000.00
Materials Recycling Facility	181356	1/15/19	75,000.00	75,000.00
Harbor				
2018 Pier, Berth & Channel Improv.	171345	1/17/18	200,000.00	200,000.00
2019 Pier, Berth & Channel Improv.	181343	1/15/19	200,000.00	200,000.00
Dockwall Rehabilitation	171345	1/17/18	143,345.00	143,345.00
Roadway Paving	201009	1/19/21	200,000.00	200,000.00
Rail Track & Service Upgrades	201009	1/19/21	275,000.00	275,000.00
Terminal & Facility Maintenance	201009	1/19/21	200,000.00	200,000.00
Parking Facility Improvements				
MacArther Sq Renovation (80170)	171351	1/17/18	236,931.00	236,931.00
MacArther Sq Renovation (80170)	181349	1/15/19	710,000.00	710,000.00
2nd and Plankinton	201015	1/19/21	400,000.00	400,000.00
1000 N Water	191389	1/21/20	1,835,000.00	1,835,000.00
1000 N Water	201015	1/19/21	1,000,000.00	1,000,000.00
Misc Struc/Mech/Elec Maint	191389	1/21/20	39,020.00	39,020.00
Misc Struc/Mech/Elec Maint	201015	1/19/21	50,000.00	50,000.00
Surface and Tow Lot Repaving	171351	1/17/18	23,000.00	23,000.00
Surface and Tow Lot Repaving	181349	1/15/19	50,000.00	50,000.00
Surface and Tow Lot Repaving	191389	1/21/20	75,000.00	75,000.00
Single Space Parking Meters	171351	1/17/18	600,000.00	600,000.00
MacArther Sq Electrical Upgrade	181349	1/15/19	921,000.00	921,000.00
MacArther Sq Façade	181349	1/15/19	138,333.00	138,333.00
ADA Compliance	181349	1/15/19	91,000.00	91,000.00
ADA Compliance	191389	1/21/20	100,000.00	100,000.00
ADA Compliance	201015	1/19/21	50,000.00	50,000.00
Special Equipment	191389	1/21/20	399,590.00	399,590.00
Special Equipment	201015	1/19/21	200,000.00	200,000.00
Green Lots	201015	1/19/21	100,000.00	100,000.00

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Fire Stations & Improvements				
2018 Major Capital Equipment	171350	1/17/18	469,289.00	469,289.00
2019 Major Capital Equipment	181347	1/15/19	833,297.00	833,297.00
2020 Major Capital Equipment	191388	1/21/20	1,150,000.00	1,150,000.00
2021 Major Capital Equipment	201014	1/19/21	1,350,000.00	1,350,000.00
Auxiliary Power Supply	181347	1/15/19	38,000.00	38,000.00
Fire Facilities Maint Program	181348	1/15/19	510,000.00	510,000.00
Fire Facilities Maint Program	201013	1/19/21	450,000.00	450,000.00
SCBA Replacement	181347	1/15/19	500,000.00	500,000.00
SCBA Replacement	191388	1/21/20	750,000.00	750,000.00
Police Facilities				
District Station Repairs	191387	1/21/20	380,000.00	380,000.00
District Station Repairs	201012	1/19/21	400,000.00	400,000.00
RMS System	171348	1/17/18	340,000.00	340,000.00
Uninterruptable Power Supply	201012	1/19/21	697,500.00	697,500.00
Upgrade CAD system	181346	1/15/19	500,000.00	500,000.00
2020 Police Vehicles	191387	1/21/20	2,390,757.00	2,390,757.00
2021 Police Vehicles	201012	1/19/21	3,150,000.00	3,150,000.00
911 and Phone System Upgrade	171348	1/17/18	900,000.00	900,000.00
Interview Room Camera	171348	1/17/18	150,000.00	150,000.00
Telepone Switch Hardware Upgrade	181346	1/15/19	300,000.00	300,000.00
CMS Upgrade	181346	1/15/19	249,782.00	249,782.00
DataCom Center AHU	181346	1/15/19	999,282.00	999,282.00
Automated Fingerprint ID System	201012	1/19/21	1,700,000.00	1,700,000.00
SONET Ring Replacement	201012	1/19/21	390,000.00	390,000.00
Bridges & Viaducts				
State & Federally Aided Bridges BR3	181340	1/15/19	100,000.00	100,000.00
State & Federally Aided Bridges BR3	201006	1/19/21	1,685,000.00	1,685,000.00
Bridge Reconstruction - Local BR1	181340	1/15/19	2,673,890.00	2,673,890.00
Bridge Reconstruction - Local BR1	191381	1/21/20	3,700,000.00	3,700,000.00
Bridge Reconstruction - Local BR1	201006	1/19/21	4,150,000.00	4,150,000.00
Street Improvements				
Street Lighting	191382	1/21/20	8,154,525.00	8,154,525.00
Street Lighting	201007	1/19/21	9,300,000.00	9,300,000.00
State & Federally Aided Streets	191383	1/21/20	7,760,000.00	7,760,000.00
State & Federally Aided Streets	201008	1/19/21	6,094,000.00	6,094,000.00
New Streets	201008	1/19/21	200,000.00	200,000.00
Street Reconstruction, Regular Pgm*	181342	1/15/19	4,200,000.00	4,200,000.00
Street Reconstruction, Regular Pgm	191383	1/21/20	6,000,000.00	6,000,000.00
Street Reconstruction, Regular Pgm	201008	1/19/21	6,000,000.00	6,000,000.00
Alley Reconstruction Program	171344	1/17/18	500,000.00	500,000.00
Alley Reconstruction Program	191383	1/21/20	600,000.00	600,000.00
Alley Reconstruction Program	201008	1/19/21	600,000.00	600,000.00
High Impact Program*	191383	1/21/20	4,544,000.00	4,544,000.00
High Impact Program	201008	1/19/21	8,000,000.00	8,000,000.00
Traffic Control Facilities*	191383	1/21/20	2,075,000.00	2,075,000.00
Traffic Control Facilities	201008	1/19/21	2,280,000.00	2,280,000.00
Street Improvements - Sidewalk*	191383	1/21/20	452,000.00	452,000.00
Street Improvements - Sidewalk	201008	1/19/21	1,000,000.00	1,000,000.00
Public Facility Communications*	191383	1/21/20	483,000.00	483,000.00
Public Facility Communications	201008	1/19/21	457,000.00	457,000.00

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Street Improvements (continued)				
Conduit & Manholes (private related use)	171344	1/17/18	600,000.00	600,000.00
Conduit & Manholes (private related use)	181342	1/15/19	1,800,000.00	1,800,000.00
Conduit & Manholes (private related use)	191383	1/21/20	1,000,000.00	1,000,000.00
Conduit & Manholes (private related use)	201008	1/19/21	800,000.00	800,000.00
Underground Electrical Manholes*	191383	1/21/20	64,000.00	64,000.00
Underground Electrical Manholes	201008	1/19/21	500,000.00	500,000.00
Lead Service Line Replacement Program	181342	1/15/19	3,100,000.00	3,100,000.00
Lead Service Line Replacement Program	191383	1/21/20	1,800,000.00	1,800,000.00
Multimodal Transportation	191383	1/21/20	306,000.00	306,000.00
Multimodal Transportation	201008	1/19/21	1,225,000.00	1,225,000.00
Parks & Public Grounds				
MKE Plays Initiative	191386	1/21/20	4,311.00	4,311.00
MKE Plays Initiative	201011	1/19/21	300,000.00	300,000.00
School Purposes				
2018 Authorization	171352	1/17/18	2,000,000.00	2,000,000.00
2019 Authorization	181350	1/15/19	2,000,000.00	2,000,000.00
2020 Authorization	191390	1/21/20	2,000,000.00	2,000,000.00
2021 Authorization	201016	1/19/21	2,000,000.00	2,000,000.00
Sewer Maintenance Fund				
2018 Relief & Relay	171346	1/17/18	19,184,639.52	
2019 Relief & Relay	181344	1/15/19	24,500,000.00	
2020 Relief & Relay	191385	1/21/20	24,500,000.00	
2021 Relief & Relay	201010	1/19/21	25,500,000.00	
I&I Reduction Projects	161108	1/18/17	4,200,000.00	
I&I Reduction Projects	171346	1/17/18	5,000,000.00	
I&I Reduction Projects	181344	1/15/19	2,000,000.00	
I&I Reduction Projects	191385	1/21/20	2,000,000.00	
I&I Reduction Projects	201010	1/19/21	2,000,000.00	
2017 Flood Mitigation	161108	1/18/17	848,363.00	
2021 Flood Mitigation SM497	201010	1/19/21	5,000,000.00	
2019 Downspout Disconnection	181344	1/15/19	1,899,289.00	
2020 Downspout Disconnection	191385	1/21/20	2,000,000.00	
2021 Downspout Disconnection	201010	1/19/21	1,200,000.00	
Water Quality Initiatives	181344	1/15/19	750,000.00	
Water Quality Initiatives	191385	1/21/20	800,000.00	
Water Quality Initiatives	201010	1/19/21	800,000.00	

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Water Works Borrowing				
Replace Mains, Hydrants, & Valves	171357	1/17/18	12,519,203.60	
Replace Mains, Hydrants, & Valves	181355	1/15/19	25,607,222.00	
Replace Mains, Hydrants, & Valves	191395	1/21/20	32,750,000.00	
Replace Mains, Hydrants, & Valves	201021	1/19/21	35,850,000.00	
2017 Linwood Plant Building	161119	1/18/17	484,213.00	
2019 Linwood Plant Building	181355	1/15/19	788,464.00	
2021 Linwood Plant Building	201021	1/19/21	200,000.00	
2018 Linwood Plant Treatment	171357	1/17/18	1,550,000.00	
2019 Linwood Plant Treatment	181355	1/15/19	1,334,092.00	
2021 Linwood Plant Treatment	201021	1/19/21	50,000.00	
2019 Howard Plant Building	181355	1/15/19	350,000.00	
2021 Howard Plant Building	201021	1/19/21	50,000.00	
2018 Howard Plant Treatment	171357	1/17/18	800,000.00	
2019 Howard Plant Treatment	181355	1/15/19	156,571.00	
2021 Howard Plant Treatment	201021	1/19/21	2,830,000.00	
2019 Pump Facilities Improvements	181355	1/15/19	1,821,175.00	
2020 Pump Facilities Improvements	191395	1/21/20	7,351,772.00	
2021 Pump Facilities Improvements	201021	1/19/21	1,150,000.00	
Storage Facilities Improvements	201021	1/19/21	50,000.00	
Meter Shop Repair	201021	1/19/21	10,000.00	
Capital Project Contingencies	201021	1/19/21	100,000.00	
2020 Lead Service Lines - Special Assessment	201021	1/19/21	4,000,000.00	
Tax Incremental Districts				
New TID's 2017	161118	1/18/17	17,034,217.56	17,034,217.56
Capitalized Interest 2017	161118	1/18/17	4,000,000.00	4,000,000.00
New TID's 2018	171356	1/17/18	40,000,000.00	40,000,000.00
Capitalized Interest 2018	171356	1/17/18	4,000,000.00	4,000,000.00
New TID's 2019	181354	1/15/19	40,000,000.00	40,000,000.00
Capitalized Interest 2019	181354	1/15/19	4,000,000.00	4,000,000.00
New TID's 2020	191394	1/21/20	40,000,000.00	40,000,000.00
Capitalized Interest 2020	191394	1/21/20	4,000,000.00	4,000,000.00
New TID's 2021	201020	1/19/21	25,000,000.00	25,000,000.00
Delinquent Tax Financing - Notes	201024	1/19/21	37,000,000.00	
Contingent Borrowing				
Water - LSL Principal Forgiveness	171927	5/8/18	6,339,120.93	
Reserved for 2020 Excess Expenditures		2020	25,000,000.00	
Current year Unallocated		2021	175,000,000.00	175,000,000.00
CDBG	201027	1/19/21	25,000,000.00	
Refunding				
Refund Direct Loans	201030	1/19/21	94,425,000.00	94,425,000.00
Refund 2011 B4, 2011 T5, 2012 B3, 2012 T5	201025	1/19/21	59,200,000.00	59,200,000.00
Total			1,036,918,992.63	659,824,562.58