

Exhibit A (161127 and 161128)
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	141380	1/21/2015	137,963.00	137,963.00
BMD9 to Commercial Investment Program		1/21/2015	60,000.00	60,000.00
BMD9 from 2014 NCD, new initial resolution	160395	7/26/2016	123,322.44	123,322.44
BMD9 to Commercial Investment Program		7/26/2016	176,677.56	176,677.56
Business Improvement Districts	161017	1/18/2017	150,000.00	150,000.00
In Rem Property Program	161017	1/18/2017	1,400,000.00	1,400,000.00
Commercial In Rem Property Program	161017	1/18/2017	250,000.00	250,000.00
Housing Infrastructure Preservation Fund	161017	1/18/2017	450,000.00	450,000.00
Façade Program	131228	1/22/2014	58,702.00	58,702.00
Brownfield Program	161017	1/18/2017	500,000.00	500,000.00
Housing Trust Fund	161017	1/18/2017	400,000.00	400,000.00
Concentrated Blight Elimination	161017	1/18/2017	2,100,000.00	2,100,000.00
Commercial Investment Program (Facade)	151246	1/19/2016	500,000.00	500,000.00
Commercial Investment Program (Facade)	161017	1/18/2017	1,400,000.00	1,400,000.00
Strong Homes Loan Program	161017	1/18/2017	1,000,000.00	1,000,000.00
Code Compliance Program	161017	1/18/2017	800,000.00	800,000.00
Century City Site Improvements	161017	1/18/2017	400,000.00	400,000.00
Library Improvements				
2014 Central Library Imp. Fund	131226	1/22/2014	536,465.00	536,465.00
2015 Central Library Imp. Fund	141378	1/21/2015	917,561.00	917,561.00
2016 Central Library Imp. Fund	151260	1/19/2016	960,447.00	960,447.00
2017 Central Library Imp. Fund	161015	1/18/2017	894,000.00	894,000.00
2014 Library Facility Initiatives	131226	1/22/2014	529,291.00	529,291.00
2015 Neighborhood Library Imp Fund	141378	1/21/2015	287,078.00	287,078.00
2017 Neighborhood Library Imp Fund	161015	1/18/2017	350,000.00	350,000.00
2015 Branch Library New Construction	141378	1/21/2015	3,776,123.00	3,776,123.00
2016 Branch Library New Construction	151260	1/19/2016	300,000.00	300,000.00
2017 Branch Library New Construction	161015	1/18/2017	1,600,000.00	1,600,000.00
Public Buildings				
Space Planning - Facilities - Notes	151258	1/19/2016	362,772.00	
Space Planning - Facilities - Notes	161016	1/18/2017	400,000.00	
ADA Compliance Program	131227	1/22/2014	44,168.00	44,168.00
ADA Compliance Program	141379	1/21/2015	215,000.00	215,000.00
ADA Compliance Program	151,258	1/19/2016	200,000.00	200,000.00
ADA Compliance Program	161016	1/18/2017	1,800,000.00	1,800,000.00
Facility Systems Program	151258	1/19/2016	363,425.00	363,425.00
Facility Systems Program	161016	1/18/2017	800,000.00	800,000.00
Facilities Exterior Upgrade Program	141379	1/21/2015	1,454,006.00	1,454,006.00
Facilities Exterior Upgrade Program	151258	1/19/2016	1,000,000.00	1,000,000.00
Facilities Exterior Upgrade Program	161016	1/18/2017	600,000.00	600,000.00
Environmental Remediation Program	161016	1/18/2017	100,000.00	100,000.00
City Hall Foundation	161016	1/18/2017	13,000,000.00	13,000,000.00
2015 Health: Facilities Capital Projects	141379	1/21/2015	299,772.00	299,772.00
2016 Health: Facilities Capital Projects	151258	1/19/2016	340,000.00	340,000.00
2016 Health: Facilities Capital Projects	161016	1/18/2017	226,000.00	226,000.00
2015 DPW B&F: Major Capital Equipment	141379	1/21/2015	189,248.00	189,248.00
2016 DPW B&F: Major Capital Equipment	151258	1/19/2016	1,029,005.00	1,029,005.00
DOA: HRMS Upgrade	151258	1/19/2016	344,135.00	344,135.00
Energy Efficiency & Renewable Energy	141379	1/21/2015	14,845.00	14,845.00
SP: Land Management System	141379	1/21/2015	348,951.00	348,951.00
2015 DOA: Work Safety & Eff Proj, 809 Bldg 4th Flr	141379	1/21/2015	392,969.00	392,969.00

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Public Buildings (continued)				
DOA: IT Upgrades	161016	1/18/2017	300,000.00	300,000.00
Clerk: LIRA Public Interface	121167	2/5/2013	38,601.72	38,601.72
City Hall 8th Floor Remodel - City Att	131227	1/22/2014	1,756,870.00	1,756,870.00
Fire Police Commission Remodeling	131227	1/22/2014	150,000.00	150,000.00
DOA: MapMilwaukee ArcGIS Upgrade	141379	1/21/2015	208,444.00	208,444.00
DOA: Mobile Device Security	141379	1/21/2015	160,000.00	160,000.00
DOA: E-Vault Upgrade	141379	1/21/2015	78,415.00	78,415.00
DOA: Tax Collection System	141379	1/21/2015	660,443.00	660,443.00
DOA: Tax Collection System	151258	1/19/2016	1,150,000.00	1,150,000.00
Assessor: Assessment Software	141379	1/21/2015	239,980.00	239,980.00
Assessor: Assessment Software	151258	1/19/2016	556,000.00	556,000.00
Assessor: Assessment Software	161016	1/18/2017	350,000.00	350,000.00
Elec: Voting Machine Replacement	141379	1/21/2015	530,000.00	530,000.00
Court: CATS and Website Upgrade	141379	1/21/2015	461,209.00	461,209.00
Court: CATS and Website Upgrade	161016	1/18/2017	384,000.00	384,000.00
DNS: Conversion of Anderson Tower Garage	151258	1/19/2016	15,421.00	15,421.00
North Point Lake Tower Restoration	141379	1/21/2015	56,106.00	56,106.00
Brine Makers	151258	1/19/2016	82,688.00	82,688.00
DOA: CSWAN-COMON Upgrade	151258	1/19/2016	97,919.00	97,919.00
DOA: CSWAN-COMON Upgrade	161016	1/18/2017	250,000.00	250,000.00
DOA: Lagan Upgrade	151258	1/19/2016	220,000.00	220,000.00
DOA: Corporate Database Upgrade	151258	1/19/2016	270,000.00	270,000.00
DOA: Corporate Database Upgrade	161016	1/18/2017	200,000.00	200,000.00
DOA: Better Building Challenge	151258	1/19/2016	338,290.00	338,290.00
Health: Lead Paint Prevention	151258	1/19/2016	218,782.00	218,782.00
Health: Lead Paint Prevention	161016	1/18/2017	340,000.00	340,000.00
Capital Improvements Committee	161016	1/18/2017	89,000.00	89,000.00
FMIS Upgrade	161016	1/18/2017	1,300,000.00	1,300,000.00
Assessor: Modernization	161016	1/18/2017	170,000.00	170,000.00
DOA: Open Data	161016	1/18/2017	150,000.00	150,000.00
LRB Research Office Upgrade	161016	1/18/2017	438,000.00	438,000.00
Health: Lab Equipment	161016	1/18/2017	165,000.00	165,000.00
Rubbish				
2014 Major Capital Equipment	131231	1/22/2014	12,740.00	12,740.00
2015 Major Capital Equipment	141383	1/21/2015	410,863.00	410,863.00
2016 Major Capital Equipment	151247	1/19/2016	3,135,000.00	3,135,000.00
2017 Major Capital Equipment	161020	1/18/2017	6,385,000.00	6,385,000.00
Harbor				
2014 Pier, Berth & Channel Improv.	131232	1/22/2014	200,000.00	200,000.00
2017 Pier, Berth & Channel Improv.	161007	1/18/2017	100,000.00	100,000.00
Dockwall Rehabilitation	141384	1/21/2015	9,999.85	9,999.85
Terminal Resurfacing	141384	1/21/2015	250,000.00	250,000.00
Roadway Paving	141384	1/21/2015	100,000.00	100,000.00
Roadway Paving	161007	1/18/2017	40,000.00	40,000.00
Rail Track & Service Upgrades	141384	1/21/2015		
BMD9 to PT1320140102		1/21/2015	48,000.00	48,000.00
Rail Track & Service Upgrades	151233	1/19/2016	230,507.00	230,507.00
Rail Track & Service Upgrades	161007	1/18/2017	500,000.00	500,000.00
Port Facility Systems	131232	1/22/2014	50,000.00	50,000.00

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Parking Facility Improvements				
2015 Misc Struc/Mech/Elec Maint	141376	1/21/2015	190,797.00	190,797.00
2016 Misc Struc/Mech/Elec Maint	151242	1/19/2016	100,000.00	100,000.00
2017 Misc Struc/Mech/Elec Maint	161013	1/18/2017	100,000.00	100,000.00
1000 N Water Repairs	141376	1/21/2015	54,352.00	54,352.00
1000 N Water Repairs	151242	1/19/2016	150,000.00	150,000.00
MacArther Sq Renovation (80170)	141376	1/21/2015	83,726.00	83,726.00
MacArther Sq Renovation (80170)	151242	1/19/2016	30,000.00	30,000.00
Surface and Tow Lot Repaving	141376	1/21/2015	16,965.00	16,965.00
Surface and Tow Lot Repaving	151242	1/19/2016	200,000.00	200,000.00
Surface and Tow Lot Repaving	161013	1/18/2017	130,000.00	130,000.00
4th and Highland	141376	1/21/2015	137,000.00	137,000.00
4th and Highland	151242	1/19/2016	50,000.00	50,000.00
2nd and Plankinton	161013	1/18/2017	500,000.00	500,000.00
Milwaukee Michigan Parking Structure Repairs	141376	1/21/2015	240,895.00	240,895.00
Milwaukee Michigan Parking Structure Repairs	151242	1/19/2016	280,575.00	280,575.00
Single Space Parking Meters	141376	1/21/2015	625,028.00	625,028.00
Single Space Parking Meters	151242	1/19/2016	650,000.00	650,000.00
Single Space Parking Meters	161013	1/18/2017	1,000,000.00	1,000,000.00
Revenue control & Access	151242	1/19/2016	50,000.00	50,000.00
Fire Stations & Improvements				
2016 Major Capital Equipment	151241	1/19/2016	1,085,314.00	1,085,314.00
2017 Major Capital Equipment	161011	1/18/2017	1,680,000.00	1,680,000.00
Auxiliary Power Supply	131222	1/22/2014	51,115.00	51,115.00
Auxiliary Power Supply	141374	1/21/2015	110,000.00	110,000.00
Auxiliary Power Supply	161011	1/18/2017	85,000.00	85,000.00
2014 Fire Facilities Maint Program	131223	1/22/2014	295.00	295.00
2015 Fire Facilities Maint Program	141375	1/21/2015	381,254.00	381,254.00
2016 Fire Facilities Maint Program	151240	1/19/2016	725,000.00	725,000.00
2017 Fire Facilities Maint Program	161012	1/18/2017	700,000.00	700,000.00
Fire Digital Radio	151241	1/19/2016	400,000.00	400,000.00
Fire Records Management	151241	1/19/2016	550,000.00	550,000.00
Fire Repair Shop Improvements	161012	1/18/2017	483,000.00	483,000.00
Police Facilities				
Remodel Admin Bldg Offices	131221	1/22/2014	3,585,397.00	3,585,397.00
Remodel Admin Bldg Offices	141373	1/21/2015	860,000.00	860,000.00
Remodel Admin Bldg Offices	151239	1/19/2016	2,100,000.00	2,100,000.00
Remodel Admin Bldg Offices	161010	1/18/2017	5,500,000.00	5,500,000.00
District Station Repairs	141373	1/21/2015	418,185.00	418,185.00
District Station Repairs	151239	1/19/2016	500,000.00	500,000.00
District Station Repairs	161010	1/18/2017	280,000.00	280,000.00
Radio & Communications Upgrads	151239	1/19/2016	439,089.00	439,089.00
RMS System	141373	1/21/2015	979,182.00	979,182.00
RMS System	151239	1/19/2016	1,100,000.00	1,100,000.00
RMS System	161010	1/18/2017	1,715,000.00	1,715,000.00
Uninterruptable power supply	131221	1/22/2014	66,790.00	66,790.00
Uninterruptable Power Supply	151239	1/19/2016	425,000.00	425,000.00
Uninterruptable Power Supply	161010	1/18/2017	94,000.00	94,000.00
Server and Storage Replacement	151239	1/19/2016	100,757.00	100,757.00
Upgrade CAD system	151239	1/19/2016	1,300,000.00	1,300,000.00
Radio Dispatch Console Upgrade	151239	1/19/2016	1,900,000.00	1,900,000.00
Interview Room Camera	151239	1/19/2016	250,000.00	250,000.00

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Bridges & Viaducts				
State & Federally Aided Bridges BR3	131215	1/22/2014	260,000.00	260,000.00
State & Federally Aided Bridges BR3	141367	1/21/2015	100,000.00	100,000.00
State & Federally Aided Bridges BR3	151229	1/19/2016	277,000.00	277,000.00
State & Federally Aided Bridges BR3	161004	1/18/2017	1,388,000.00	1,388,000.00
Bridge Reconstruction - Local BR1	131215	1/22/2014	4,421,998.00	4,421,998.00
Bridge Reconstruction - Local BR1	141367	1/21/2015	8,810,000.00	8,810,000.00
Bridge Reconstruction - Local BR1	151229	1/19/2016	4,100,000.00	4,100,000.00
Bridge Reconstruction - Local BR1	161004	1/18/2017	5,475,000.00	5,475,000.00
Street Improvements				
Street Lighting	151231	1/19/2016	7,116,476.00	7,116,476.00
Street Lighting	161005	1/18/2017	6,300,000.00	6,300,000.00
State & Federally Aided Streets	141369	1/21/2015	7,401,000.00	7,401,000.00
State & Federally Aided Streets	151232	1/19/2016	8,136,000.00	8,136,000.00
State & Federally Aided Streets	161006	1/18/2017	4,139,000.00	4,139,000.00
New Street Construction	131217	1/22/2014	200,000.00	200,000.00
Street Improvements - Sidewalk	151232	1/19/2016	1,351,592.00	1,351,592.00
Street Improvements - Sidewalk	161006	1/18/2017	1,500,000.00	1,500,000.00
Street Reconstruction, Regular Pgm	151232	1/19/2016	7,000,000.00	7,000,000.00
Street Reconstruction, Regular Pgm	161006	1/18/2017	7,500,000.00	7,500,000.00
Alley Reconstruction Program	141369	1/21/2015	1,625,000.00	1,625,000.00
Alley Reconstruction Program	161006	1/18/2017	700,000.00	700,000.00
Underground Electrical Manholes	141369	1/21/2015	660,148.00	660,148.00
Underground Electrical Manholes	151232	1/19/2016	1,225,000.00	1,225,000.00
Underground Electrical Manholes	161006	1/18/2017	800,000.00	800,000.00
Conduit & Manholes (private related use)	131217	1/22/2014	500,000.00	500,000.00
Conduit & Manholes (private related use)	141369	1/21/2015	1,000,000.00	1,000,000.00
Conduit & Manholes (private related use)	151232	1/19/2016	736,000.00	736,000.00
Traffic Control Facilities	141369	1/21/2015	74,158.00	74,158.00
Traffic Control Facilities	151232	1/19/2016	520,000.00	520,000.00
Traffic Control Facilities	161006	1/18/2017	2,600,000.00	2,600,000.00
High Impact Program	151232	1/19/2016	3,273,153.00	3,273,153.00
High Impact Program	161006	1/18/2017	8,000,000.00	8,000,000.00
Public Facility Communications	151232	1/19/2016	407,095.00	407,095.00
Public Facility Communications	161006	1/18/2017	575,000.00	575,000.00
Neighborhood Comm. Dist. St. Improvement	141369	1/21/2015	200,000.00	200,000.00
Parks & Public Grounds				
Boulevard Plan	141372	1/21/2015	73,456.00	73,456.00
Boulevard Plan	151238	1/19/2016	250,000.00	250,000.00
Recreational Facilities City Wide	141372	1/21/2015	175,000.00	175,000.00
BMD9 to Playground Imp Challenge Fund		1/21/2015	175,000.00	175,000.00
MKE Plays Initiative (buildings)	151258	1/19/2016	250,000.00	250,000.00
MKE Plays Initiative (buildings)	161009	1/18/2017	250,000.00	250,000.00
Hazardous Tree Removal Program	161009	1/18/2017	75,000.00	75,000.00
School Purposes				
2014 Authorization	131225	1/22/2014	2,000,000.00	2,000,000.00
2015 Authorization	141377	1/21/2015	2,000,000.00	2,000,000.00
2016 Authorization	151257	1/19/2016	2,000,000.00	2,000,000.00
2017 Authorization	161014	1/18/2017	2,000,000.00	2,000,000.00

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Sewer Maintenance Fund				
2014 Relief & Relay - DSRF	131219	1/22/2014	2,900,000.00	2,900,000.00
2015 Relief & Relay	141371	1/21/2015	22,238,767.00	22,238,767.00
2015 Relief & Relay - DSRF	141371	1/21/2015	2,800,000.00	2,800,000.00
2016 Relief & Relay	151234	1/19/2016	26,000,000.00	26,000,000.00
2016 Relief & Relay - DSRF	151234	1/19/2016	2,600,000.00	2,600,000.00
Relief & Relay	161008	1/18/2017	26,000,000.00	26,000,000.00
2014 I&I Reduction Projects	131219	1/22/2014	6,590,121.00	6,590,121.00
2015 I&I Reduction Projects	141371	1/21/2015	5,000,000.00	5,000,000.00
2016 I&I Reduction Projects	151234	1/19/2016	4,500,000.00	4,500,000.00
I&I Reduction Projects - DSRF	151234	1/19/2016	450,000.00	450,000.00
I&I Reduction Projects	161008	1/18/2017	5,000,000.00	5,000,000.00
2014 Water Quality Initiatives	131219	1/22/2014	540,664.00	540,664.00
2015 Water Quality Initiatives	141371	1/21/2015	1,064,873.00	1,064,873.00
2016 Water Quality Initiatives	151234	1/19/2016	1,000,000.00	1,000,000.00
Water Quality Initiatives - DSRF	151234	1/19/2016	100,000.00	100,000.00
Water Quality Initiatives	161008	1/18/2017	1,000,000.00	1,000,000.00
2015 Flood Mitigation	141371	1/21/2015	2,680,522.00	2,680,522.00
2016 Flood Mitigation	151234	1/19/2016	4,294,993.00	4,294,993.00
Flood Mitigation - DSRF	151234	1/19/2016	430,000.00	430,000.00
Flood Mitigation	161008	1/18/2017	1,500,000.00	1,500,000.00
Water Works Borrowing				
Replace Mains, Hydrants, & Valves WT41016	151244	1/19/2016	7,307,777.46	7,307,777.46
Replace Mains, Hydrants, & Valves - DSRF	151244	1/19/2016	1,168,000.00	1,168,000.00
Replace Mains, Hydrants, & Valves	161019	1/18/2017	21,938,000.00	21,938,000.00
Lead Service Lines	161019	1/18/2017	600,000.00	600,000.00
Tax Incremental Districts				
New TID's 2012	111095	12/20/2011	1,737,384.15	1,737,384.15
Capitalized Interest	111095	12/20/2011	2,000,000.00	2,000,000.00
New TID's 2014	131229	1/22/2014	9,962,479.54	9,962,479.54
Capitalized Interest	131229	1/22/2014	1,000,000.00	1,000,000.00
New TID's (Notes only) 2015	141323	1/21/2015	10,998,947.00	10,998,947.00
Capitalized Interest (Notes only)	141323	1/21/2015	1,500,000.00	1,500,000.00
New TID's 2016	151259	1/19/2016	49,000,000.00	49,000,000.00
Capitalized Interest	151259	1/19/2016	4,900,000.00	4,900,000.00
New TID's 2017	161018	1/18/2017	40,000,000.00	40,000,000.00
Capitalized Interest	161018	1/18/2017	4,000,000.00	4,000,000.00
Delinquent Tax Financing - Notes	161021	1/18/2017	37,000,000.00	
Contingent Borrowing				
Material Recovery Facility (131792)	140034	4/22/2014	1,750,365.40	1,750,365.40
Current year Unallocated		2017	200,000,000.00	200,000,000.00
Refunding				
Refund Direct Loans	161127	1/19/2016	75,550,000.00	75,550,000.00
Refund 2006 B10, 2007 B5, 2008 B7	161024	1/18/2017	33,120,000.00	33,120,000.00
Total			826,600,890.12	788,838,118.12