

County of Milwaukee
INTEROFFICE MEMO

DATE: February 07, 2013
TO: Supervisor Dimitrijevic, County Board Chairwoman
FROM: Chris Lindberg, CIO, Information Management Services Division
SUBJECT: **Capital Improvement Committee Process**

Issue

Milwaukee County Ordinance 36.04 requires all Departments to submit five-year capital improvement program (Program) requests to their respective standing committees. Standing committees shall then submit Programs along with recommendations to the newly created Capital Improvements Committee (CIC).

Background

The purpose of the CIC is to develop a Program for the entire County and establish criteria on how each capital project will be evaluated. The ordinance also requires Departments to submit Programs to their respective standing committees, which will then forward their recommendations to the CIC.

Request

The Department of Administrative Services – Information Management Services Division (IMSD) has evaluated its anticipated maintenance and technology needs.

Much of the technical infrastructure within Milwaukee County is obsolete. This means that it is becoming increasingly expensive and difficult to keep some infrastructure operating. In some cases, replacement parts are no longer available and/or serviceable. These issues are now beginning to threaten public safety to Milwaukee County citizens, data and information security and employee productivity.

The attached (Exhibit A) includes the Department's outstanding capital needs, listed in priority order. These capital requests are intended to address the safety, security and productivity needs resulting from technology obsolescence. Requested capital projects assume current operations.

Chris Lindberg, CIO
Department of Administrative Services –
Information Management Services Division

Cc: Chris Abele, County Executive
Amber Moreen, Chief of Staff, County Executive's Office
Kelly Bablitch, Chief of Staff, County Board
Michael Mayo, Sr., Chair, Transportation, Public Works & Transit Cmte

Willie Johnson, Jr., Co-Chair, Finance Personnel, and Audit Committee
David Cullen, Co-Chair, Finance Personnel, and Audit Committee
TBD, Chair, Capital Improvements Committee
TBD, CEX Appointee #1, Capital Improvements Committee
TBD, CEX Appointee #2, Capital Improvements Committee
Craig Kammholz, Fiscal & Budget Director, DAS
Brian Dranzik, Interim Director, Department of Transportation
Scott Manske, Comptroller
Vince Masterson, Strategic Asset Coordinator, DAS
Laurie Panella, Deputy CIO, IMSD
Pamela Bryant, Capital Finance Manager, Comptroller's Office
Justin Rodriguez, Capital Finance Analyst, Comptroller's Office
Gregory High, Director, AE&ES-FM-DAS

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(ITEM *) A resolution to authorize the attached Five Year Capital Improvements Program for the Department of Administrative Services – Information Management Services Division to be recommended to the Capital Improvement Committee (CIC):

A RESOLUTION

WHEREAS, the 2013 Adopted Capital Improvements Budget includes the creation of a Capital Improvements Committee (CIC); and

WHEREAS, ordinance 36.04 was also approved in 2013, which codified the creation, composition, duties, reports, and staffing of the CIC; and

WHEREAS, the purpose of the CIC is to develop a Five Year Program for the entire County and establish criteria on how each capital project will be evaluated; and

WHEREAS, the ordinance also requires Departments to submit Five Year Programs to their respective standing committees, which will then forward their recommendations to the CIC; and

WHEREAS, the Department of Administrative Services – Information Management Services Division has evaluated its anticipated maintenance and technology needs; and

WHEREAS, the attached Five Year Program includes the department's outstanding capital needs, listed in priority order; now, therefore,

BE IT RESOLVED, the attached Five Year Program (Exhibit A) is recommended to the CIC.

Department Name		Department of Administrative Services- Information Management Services Division			EXHIBIT A	
2014						
Rank	Project Number	Project Name	Total Cost	Reimbursement Revenue	County Financing	Project Description/Annual Operating Impact
1	WO621	Windows Migration	\$2,868,177	\$0	\$2,868,177	An appropriation of \$2,868,177 is requested for year two of the Windows Migration project which will upgrade the personal computing operating system to the Windows 7 platform. Operating cost will remain consistent with that of 2013. This project is a risk mitigation project.
2	WO614	Build Out Ten Digital Sites	\$6,690,000	\$0	\$6,690,000	An appropriation of \$6,690,000 is requested for phase three of a multi phase project to replace the analog, public safety 800MHz trunk radio system, consoles and radios to newer digital technology. Due to the fact that many system components of the current trunked radio system are no longer manufactured nor supported, Milwaukee County is at a critical point where the radio system, dispatch consoles and radios must be replaced. County will be running both the analog and digital radio systems simultaneously throughout the implementation process. Phase three operating cost are anticipated to be over \$750,000.
3	WO217	Phone and Voicemail System Replacement	\$800,000		\$800,000	An appropriation of \$800,000 is requested to begin the replacement of an obsolete PBX phone system that is no longer manufactured nor supported by the vendor. Milwaukee County is at a critical point where the Phone system at many of our facilities (Courthouse, BHD, Correctional Facility South, Zoo, City Campus) is in need of replacement. IMSD will be taking a phased approach to implementing Voice Over Internet Protocol (VOIP) throughout the County facilities. At this point, we do not know what the operating costs will be until we have developed a plan and chosen a system. This project is also dependent on re-wiring of the facilities (WO606). Cat6 Cabling is a basic requirement for a fully functioning VOIP environment.
4	WO607	Wireless Communications	\$1,000,000		\$1,000,000	An appropriation of \$1,000,000 is requested to implement a standardized wireless infrastructure throughout Milwaukee County Facilities to enable collaboration, replacement telephone system (VOIP) and implement a high performing network. Operating cost will remain consistent with that of 2013.
5	WO602	Mainframe Apps Migration	\$682,000		\$682,000	An appropriation of \$682,000 is requested to complete the second phase of a multi year initiative that will replace the existing County financial system, Advantage, and the Criminal Justice Information System which both reside on a costly, obsolete Mainframe platform. The current operating cost for the mainframe is \$3,700,000. The operating cost for a new system is un-known at this time but is anticipated to be minimally 50% less than current state when the project is complete.
6		Disaster Recovery Site	\$250,000		\$250,000	An appropriation of \$250,000 is requested for planning and design of a solution for computing disaster recovery services. There is no operating cost associated with the design of the solution.
7	WO218	Technical Infrastructure Replacement	\$500,000		\$500,000	An appropriation of \$500,000 is requested to replace network and server equipment that has reached the end of its useful life. The useful life for this type of network and server equipment is three to five years. If the equipment is not replaced at that time the County risks potential failures of the equipment impacting day to day operations and public safety. Furthermore, due to the constant advancements in the information technology field that result in accelerated obsolescence, vendors discontinue support of this type of equipment after five years. Operating cost will remain consistent with that of 2013. This is a normal "cost of doing business" investment.
8	WO215	Storage Expansion	\$350,000		\$350,000	An appropriation of \$350,000 is requested to increase data storage capacity. This capital improvement project provides for the purchase of the hardware necessary for storage expansion in order to meet the projected growth in demand by County Departments for data storage. There are end of life controllers that will be replaced as part of the expansion requirement. Operating cost will remain consistent with that of 2013. This is a normal "cost of doing business" investment.
9	WO205	Fiscal Automation	\$967,000		\$967,000	An appropriation of \$967,000 is being requested to continue phase II of the Clerk of Courts Scanning project as well as continue the multi year effort to reduce paper storage and consumption and move the County towards a paperless environment.
Total			\$14,107,177	\$0	\$14,107,177	

Department Name Department of Administrative Services- Information Management Services Division						
2015						
Rank	Project Number	Project Name	Total Cost	Reimbursement Revenue	County Financing	Project Description
1	WO621	Windows Migration	\$1,787,393	\$0	\$1,787,393	An appropriation of \$1,787,393 is requested for the final phase of the Windows Migration project which will upgrade the personal computing operating system to the Windows 7 platform. Operating cost will remain consistent with that of 2013. This project is a risk mitigation project.
2	WO614	Build Out Ten Digital Sites	\$6,331,720	\$0	\$6,331,720	An appropriation of \$6,331,720 is requested for phase four of a multi phase project to replace the analog, public safety 800MHz trunk radio system, consoles and radios to newer digital technology. Milwaukee County is at a critical point where the radio system, dispatch consoles and radios must be replaced. County will be running both the analog and digital radio systems simultaneously throughout the implementation process. Phase four operating cost are anticipated to be over \$1,000,000 due to the fact that IMSD will be operating both the Digital and Analog Radio systems until the full funding can be appropriated and the digital system can be implemented.
3	WO217	Phone and Voicemail System Replacement	\$2,600,000		\$2,600,000	An appropriation of \$2,600,000 is requested to continue the replacement of an obsolete PBX phone system that is no longer manufactured nor supported by the vendor. Milwaukee County is at a critical point where the Phone system at many of the County facilities is in need of replacement. IMSD will be taking a phased approach to implementing Voice Over Internet Protocol (VOIP) throughout the County facilities. At this point, we do not know what the operating costs will be until we have developed a plan and chosen a system. This project is also dependent on re-wiring of the facilities (WO606). Cat6 Cabling is a basic requirement for a fully functioning VOIP environment.
4	WO607	Wireless Communications	\$1,000,000		\$1,000,000	An appropriation of \$1,000,000 is requested to implement a standardized wireless infrastructure throughout Milwaukee County Facilities to enable collaboration, replacement telephone system (VOIP) and implement a high performing network. Operating cost will remain consistent with that of 2014.
5	WO602	Mainframe Apps Migration	\$3,800,000		\$3,800,000	An appropriation of \$3,800,000 is requested to complete the third phase of a multi year initiative that will replace the existing County financial system, Advantage, and the Criminal Justice Information System which both reside on a costly, obsolete Mainframe platform. The current operating cost for the mainframe is \$3,700,000. The operating cost for a new system is un-known at this time but is anticipated to be minimally 50% less than current state when the project is complete.
6	WO619	Disaster Recovery Site	\$1,200,000		\$1,200,000	An appropriation of \$1,200,000 is requested to implement a solution for computing disaster recovery services. IMSD must develop the plan for disaster recovery and select the solution before full project and operating cost will be known.
7	WO218	Technical Infrastructure Replacement	\$500,000		\$500,000	An appropriation of \$500,000 is requested to replace network and server equipment that has reached the end of its useful life. The useful life for this type of network and server equipment is three to five years. If the equipment is not replaced at that time the County risks potential failures of the equipment impacting day to day operations and public safety. Furthermore, due to the constant advancements in the information technology field that result in accelerated obsolescence, vendors discontinue support of this type of equipment after five years. Operating cost will remain consistent with that of 2014. This is a normal "cost of doing business" investment.
8	WO215	Storage Expansion	\$300,000		\$300,000	An appropriation of \$300,000 is requested to increase data storage capacity. This capital request provides for the purchase of the hardware necessary for storage expansion in order to meet the projected growth in demand for data storage. Operating cost will remain consistent with that of 2014. This is a normal "cost of doing business" investment.
9	WO205	Fiscal Automation	\$500,000		\$500,000	An appropriation of \$500,000 is being requested to continue the multi year effort to reduce paper storage and consumption and move the County towards a paperless environment.
Total			\$18,019,113	\$0	\$18,019,113	

Department Name Department of Administrative Services- Information Management Services Division						
2016						
Rank	Project Number	Project Name	Total Cost	Reimbursement Revenue	County Financing	Project Description
1	WO614	Build Out Ten Digital Sites	\$6,567,490	\$0	\$6,567,490	An appropriation of \$6,567,490 is requested for phase three of a multi phase project to replace the analog, public safety 800MHz trunk radio system, consoles and radios to newer digital technology. Due to the fact that many system components of the current trunked radio system are no longer manufactured nor supported, Milwaukee County is at a critical point where the radio system, dispatch consoles and radios must be replaced. County will be running both the analog and digital radio systems simultaneously throughout the implementation process. Phase five operating cost are anticipated to be over \$1,250,000 due to the fact that IMSD will be operating both the Digital and Analog Radio systems until the full funding can be appropriated and the digital system can be implemented.
2	WO217	Phone and Voicemail System Replacement	\$1,500,000		\$1,500,000	An appropriation of \$1,500,000 is requested to continue the replacement of an obsolete PBX phone system that is no longer manufactured nor supported by the vendor. Milwaukee County is at a critical point where the Phone system throughout the County is in need of replacement. IMSD will be taking a phased approach to implementing Voice Over Internet Protocol (VOIP). At this point, IMSD does not know what the operating costs will be until we have developed a plan and chosen a system. This project is also dependent on re-wiring of the facilities (WO606). Cat6 cabling is a basic requirement for a fully functioning VOIP environment.
3	WO607	Wireless Communications	\$1,000,000		\$1,000,000	An appropriation of \$1,000,000 is requested to implement a standardized wireless infrastructure throughout Milwaukee County Facilities to enable collaboration, replacement telephone system (VOIP) and implement a high performing network. Operating cost will remain consistent with that of 2015.
4	WO602	Mainframe Apps Migration	\$2,500,000		\$2,500,000	An appropriation of \$2,500,000 is requested to complete the final phase of a multi year initiative that will replace the existing County financial system, Advantage, and the Criminal Justice Information System which both reside on a costly, obsolete Mainframe platform. The current operating cost for the mainframe is \$3,700,000. The operating cost for a new system is un-known at this time but is anticipated to be minimally 50% less than current state when the project is complete.
5	WO619	Disaster Recovery Site	\$800,000		\$800,000	An appropriation of \$800,000 is requested to continue the implementation of a solution for computing disaster recovery services. Operating cost is unknown at this time. IMSD must develop the plan for disaster recovery and select the solution before full project and operating cost will be known.
6	WO216	Thin Client	\$500,000		\$500,000	An appropriation of \$500,000 is requested to begin the planning and design phase of migrating the desktop computing environment to a cloud based service. Thin Client will replace the need for the replacement of personal computers driving cost savings over a period of time.
7	WO218	Technical Infrastructure Replacement	\$500,000		\$500,000	An appropriation of \$500,000 is requested to replace network and server equipment that has reached the end of its useful life. The useful life for this type of network and server equipment is three to five years. If the equipment is not replaced at that time the County risks potential failures of the equipment impacting day to day operations and public safety. Operating cost will remain consistent with that of 2015. This is a normal "cost of doing business" investment.
8	WO215	Storage Expansion	\$300,000		\$300,000	An appropriation of \$300,000 is requested to increase data storage capacity. This capital request provides for the purchase of the hardware necessary for storage expansion in order to meet the projected growth in demand for data storage. Operating cost will remain consistent with that of 2015. This is a normal "cost of doing business" investment.
9	WO205	Fiscal Automation	\$500,000		\$500,000	An appropriation of \$500,000 is being requested to continue the multi year effort to reduce paper storage and consumption and move the County towards a paperless environment.
Total			\$14,167,490	\$0	\$14,167,490	

Department Name Department of Administrative Services- Information Management Services Division						
2017						
Rank	Project Number	Project Name	Total Cost	Reimbursement Revenue	County Financing	Project Description
1	WO614	Build Out Ten Digital Sites	\$2,940,000	\$0	\$2,940,000	An appropriation of \$2,940,000 is requested for the final phase of a multi phase project to replace the analog, public safety 800MHz trunk radio system, consoles and radios to newer digital technology. Due to the fact that many system components of the current trunked radio system are no longer manufactured nor supported, Milwaukee County is at a critical point where the radio system, dispatch consoles and radios must be replaced. At the completion of this phase Milwaukee County will be supporting only one radio system, digital. It is anticipated that the annual operating cost of the supporting the new system will be 40% less than that of 2016. It is recommended that there be a Subscriber fee charged for all users on the system. Operating cost will be approx. \$400,000 per year if the subscriber model is implemented.
2	WO216	Thin Client	\$1,500,000		\$1,500,000	An appropriation of \$1,500,000 is requested to continue the migration of the desktop computing environment to a cloud based service. Thin Client will drive cost savings over a period of time.
3	WO218	Technical Infrastructure Replacement	\$500,000		\$500,000	An appropriation of \$500,000 is requested to replace network and server equipment that has reached the end of its useful life. The useful life for this type of network and server equipment is three to five years. If the equipment is not replaced at that time the County risks potential failures of the equipment impacting day to day operations and public safety. Furthermore, due to the constant advancements in the information technology field that result in accelerated obsolescence, vendors discontinue support of this type of equipment after five years. Operating cost will remain consistent with that of 2016. This is a normal "cost of doing business" investment.
4	WO215	Storage Expansion	\$300,000		\$300,000	An appropriation of \$300,000 is requested to increase data storage capacity. This capital improvement project provides for the purchase of the hardware necessary for storage expansion in order to meet the projected growth in demand by County Departments for data storage. Operating cost will remain consistent with that of 2016. This is a normal "cost of doing business" investment.
5	WO205	Fiscal Automation	\$500,000		\$500,000	An appropriation of \$500,000 is being requested to continue the multi year effort to reduce paper storage and consumption and move the County towards a paperless environment.
Total			\$5,740,000	\$0	\$5,740,000	

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Department Name Department of Administrative Services- Information Management Services Division						
2018						
Rank	Project Number	Project Name	Total Cost	Reimbursement Revenue	County Financing	Project Description
1	WO218	Technical Infrastructure Replacement	\$500,000		\$500,000	An appropriation of \$500,000 is requested to replace network and server equipment that has reached the end of its useful life. The useful life for this type of network and server equipment is three to five years. If the equipment is not replaced at that time the County risks potential failures of the equipment impacting day to day operations and public safety. Furthermore, due to the constant advancements in the information technology field that result in accelerated obsolescence, vendors discontinue support of this type of equipment after five years. Operating cost will remain consistent with that of 2017. This is a normal "cost of doing business" investment.
2	WO215	Storage Expansion	\$300,000		\$300,000	An appropriation of \$300,000 is requested to increase data storage capacity. This capital improvement project provides for the purchase of the hardware necessary for storage expansion in order to meet the projected growth in demand by County Departments for data storage. Operating cost will remain consistent with that of 2017. This is a normal "cost of doing business" investment.
3	WO205	Fiscal Automation	\$500,000		\$500,000	An appropriation of \$500,000 is being requested to continue the multi year effort to reduce paper storage and consumption and move the County towards a paperless environment.
Total			\$1,300,000	\$0	\$1,300,000	

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MILWAUKEE COUNTY FISCAL NOTE FORM

DATE: February 8, 2013

Original Fiscal Note

Substitute Fiscal Note

SUBJECT: Submission of the Milwaukee County Department of Administrative Services – Information Management Services Division 5 Year (2014 – 2018) Capital Improvement Program

FISCAL EFFECT:

- | | |
|---|--|
| <input checked="" type="checkbox"/> No Direct County Fiscal Impact
<input type="checkbox"/> Existing Staff Time Required
<input type="checkbox"/> Increase Operating Expenditures
(If checked, check one of two boxes below)
<input type="checkbox"/> Absorbed Within Agency's Budget
<input type="checkbox"/> Not Absorbed Within Agency's Budget
<input type="checkbox"/> Decrease Operating Expenditures
<input type="checkbox"/> Increase Operating Revenues
<input type="checkbox"/> Decrease Operating Revenues | <input type="checkbox"/> Increase Capital Expenditures
<input type="checkbox"/> Decrease Capital Expenditures
<input type="checkbox"/> Increase Capital Revenues
<input type="checkbox"/> Decrease Capital Revenues
<input type="checkbox"/> Use of contingent funds |
|---|--|

Indicate below the dollar change from budget for any submission that is projected to result in increased/decreased expenditures or revenues in the current year.

	Expenditure or Revenue Category	Current Year	Subsequent Year
Operating Budget	Expenditure		
	Revenue		
	Net Cost		
Capital Improvement Budget	Expenditure	\$0	\$0
	Revenue	\$0	\$0
	Net Cost	\$0	\$0

DESCRIPTION OF FISCAL EFFECT

In the space below, you must provide the following information. Attach additional pages if necessary.

- A. Briefly describe the nature of the action that is being requested or proposed, and the new or changed conditions that would occur if the request or proposal were adopted.
- B. State the direct costs, savings or anticipated revenues associated with the requested or proposed action in the current budget year and how those were calculated.¹ If annualized or subsequent year fiscal impacts are substantially different from current year impacts, then those shall be stated as well. In addition, cite any one-time costs associated with the action, the source of any new or additional revenues (e.g. State, Federal, user fee or private donation), the use of contingent funds, and/or the use of budgeted appropriations due to surpluses or change in purpose required to fund the requested action.
- C. Discuss the budgetary impacts associated with the proposed action in the current year. A statement that sufficient funds are budgeted should be justified with information regarding the amount of budgeted appropriations in the relevant account and whether that amount is sufficient to offset the cost of the requested action. If relevant, discussion of budgetary impacts in subsequent years also shall be discussed. Subsequent year fiscal impacts shall be noted for the entire period in which the requested or proposed action would be implemented when it is reasonable to do so (i.e. a five-year lease agreement shall specify the costs/savings for each of the five years in question). Otherwise, impacts associated with the existing and subsequent budget years should be cited.
- D. Describe any assumptions or interpretations that were utilized to provide the information on this form.

A. Milwaukee County Ordinance 36.04 requires all Departments to submit 5 Year Capital Improvement Program requests to their respective standing committee. The standing committee shall then submit the Program along with its recommendations to the Capital Improvements Committee (CIC).


This fiscal note is for initial submission of the Department of Administrative Services – Information Management Services Division (IMSD) 5 Year (2014 – 2018) Capital Improvement Program.

- B. There are no direct costs or savings associated with the 5 Yr. Capital Improvement Program at this time as this item is only proposed for initial policymaker consideration. Any formal appropriation related to this 5 Year Program would occur in the future as part of the 2014 Capital Budget process.
- C. There are no budgetary costs or savings associated with the 5 Yr. Capital Improvement Program at this time as this item is only proposed for initial policymaker consideration. Any formal appropriation related to this 5 Year Program would occur in the future as part of the 2014 Capital Budget process.
- D. The projects included in the 5 Year Program are estimated based upon information that is currently available. The projects proposed and the final projects adopted as part of the 2014 Capital Budget process may vary. Refer to Items B and C for additional assumptions regarding formal appropriation of the projects proposed.

¹ If it is assumed that there is no fiscal impact associated with the requested action, then an explanatory statement that justifies that conclusion shall be provided. If precise impacts cannot be calculated, then an estimate or range should be provided.

² Community Business Development Partners' review is required on all professional service and public work construction contracts.

Department/Prepared By IMSD – Laurie Panella, Deputy Chief Information Officer

Authorized Signature 

Did DAS-Fiscal Staff Review? Yes No

Did CBDP Review?² Yes No Not Required

Rank	Project Number	Project Name	Total Cost	Reimbursement Revenue	County Financing	Project Description/Annual Operating Impact
1	WO621	Windows Migration	\$2,868,177	\$0	\$2,868,177	An appropriation of \$2,868,177 is requested for year two of the Windows Migration project which will upgrade the personal computing operating system to the Windows 7 platform. Operating cost will remain consistent with that of 2013. This project is a risk mitigation project.
2	WO614	Build Out Ten Digital Sites	\$6,690,000	\$0	\$6,690,000	An appropriation of \$6,690,000 is requested for phase three of a multi phase project to replace the analog, public safety 800MHz trunk radio system, consoles and radios to newer digital technology. Due to the fact that many system components of the current trunked radio system are no longer manufactured nor supported, Milwaukee County is at a critical point where the radio system, dispatch consoles and radios must be replaced. County will be running both the analog and digital radio systems simultaneously throughout the implementation process. Phase three operating cost are anticipated to be over \$750,000.
3	WO217	Phone and Voicemail System Replacement	\$800,000		\$800,000	An appropriation of \$800,000 is requested to begin the replacement of an obsolete PBX phone system that is no longer manufactured nor supported by the vendor. Milwaukee County is at a critical point where the Phone system at many of our facilities (Courthouse, BHD, Correctional Facility South, Zoo, City Campus) is in need of replacment. IMSD will be taking a phased approach to implementing Voice Over Internet Protocol (VOIP) throughout the County facilities. At this point, we do not know what the operating costs will be until we have developed a plan and chosen a system. This project is also dependent on re-wiring of the facilities (WO606). Cat6 Cabling is a basic requirement for a fully functioning VOIP environment.
4	WO607	Wireless Communications	\$1,000,000		\$1,000,000	An appropriation of \$1,000,000 is requested to implement a standardized wireless infrastructure throughout Milwaukee County Facilities to enable collaboration, replacement telephone system (VOIP) and implement a high performing network. Operating cost will remain consistent with that of 2013.

5	WO602	Mainframe Apps Migration	\$682,000		\$682,000	An appropriation of \$682,000 is requested to complete the second phase of a multi year initiative that will replace the existing County financial system, Advantage, and the Criminal Justice Information System which both reside on a costly, obsolete Mainframe platform. The current operating cost for the mainframe is \$3,700,000. The operating cost for a new system is un-known at this time but is anticipated to be minimally 50% less than current state when the project is complete.
6		Disaster Recovery Site	\$250,000		\$250,000	An appropriation of \$250,000 is requested for planning and design of a solution for computing disaster recovery services. There is no operating cost associated with the design of the solution.
7	WO218	Technical Infrastructure Replacement	\$500,000		\$500,000	An appropriation of \$500,000 is requested to replace network and server equipment that has reached the end of its useful life. The useful life for this type of network and server equipment is three to five years. If the equipment is not replaced at that time the County risks potential failures of the equipment impacting day to day operations and public safety. Furthermore, due to the constant advancements in the information technology field that result in accelerated obsolescence, vendors discontinue support of this type of equipment after five years. Operating cost will remain consistent with that of 2013. This is a normal "cost of doing business" investment.
8	WO215	Storage Expansion	\$350,000		\$350,000	An appropriation of \$350,000 is requested to increase data storage capacity. This capital improvement project provides for the purchase of the hardware necessary for storage expansion in order to meet the projected growth in demand by County Departments for data storage. There are end of life controllers that will be replaced as part of the expansion requirement. Operating cost will remain consistent with that of 2013. This is a normal "cost of doing business" investment.
9	WO205	Fiscal Automation	\$967,000		\$967,000	An appropriation of \$967,000 is being requested to continue phase II of the Clerk of Courts Scanning project as well as continue the multi year effort to reduce paper storage and consumption and move the County towards a paperless environment.
Total			\$14,107,177	\$0	\$14,107,177	

Department Name Department of Administrative Services- Information Management Services Division
2015

Rank	Project Number	Project Name	Total Cost	Reimbursement Revenue	County Financing	Project Description
1	WO621	Windows Migration	\$1,787,393	\$0	\$1,787,393	An appropriation of \$1,787,393 is requested for the final phase of the Windows Migration project which will upgrade the personal computing operating system to the Windows 7 platform. Operating cost will remain consistent with that of 2013. This project is a risk mitigation project.
2	WO614	Build Out Ten Digital Sites	\$6,331,720	\$0	\$6,331,720	An appropriation of \$6,331,720 is requested for phase four of a multi phase project to replace the analog, public safety 800MHz trunk radio system, consoles and radios to newer digital technology. Milwaukee County is at a critical point where the radio system, dispatch consoles and radios must be replaced. County will be running both the analog and digital radio systems simultaneously throughout the implementation process. Phase four operating cost are anticipated to be over \$1,000,000 due to the fact that IMSD will be operating both the Digital and Analog Radio systems until the full funding can be appropriated and the digital system can be implemented.
3	WO217	Phone and Voicemail System Replacement	\$2,600,000		\$2,600,000	An appropriation of \$2,600,000 is requested to continue the replacement of an obsolete PBX phone system that is no longer manufactured nor supported by the vendor. Milwaukee County is at a critical point where the Phone system at many of the County facilities is in need of replacement. IMSD will be taking a phased approach to implementing Voice Over Internet Protocol (VOIP) throughout the County facilities. At this point, we do not know what the operating costs will be until we have developed a plan and chosen a system. This project is also dependent on re-wiring of the facilities (WO606). Cat6 Cabling is a basic requirement for a fully functioning VOIP environment.
4	WO607	Wireless Communications	\$1,000,000		\$1,000,000	An appropriation of \$1,000,000 is requested to implement a standardized wireless infrastructure throughout Milwaukee County Facilities to enable collaboration, replacement telephone system (VOIP) and implement a high performing network. Operating cost will remain consistent with that of 2014.

5	WO602	Mainframe Apps Migration	\$3,800,000		\$3,800,000	An appropriation of \$3,800,000 is requested to complete the third phase of a multi year initiative that will replace the existing County financial system, Advantage, and the Criminal Justice Information System which both reside on a costly, obsolete Mainframe platform. The current operating cost for the mainframe is \$3,700,000. The operating cost for a new system is un-known at this time but is anticipated to be minimally 50% less than current state when the project is complete.
6	WO619	Disaster Recovery Site	\$1,200,000		\$1,200,000	An appropriation of \$1,200,000 is requested to implement a solution for computing disaster recovery services. IMSD must develop the plan for disaster recovery and select the solution before full project and operating cost will be known.
7	WO218	Technical Infrastructure Replacement	\$500,000		\$500,000	An appropriation of \$500,000 is requested to replace network and server equipment that has reached the end of its useful life. The useful life for this type of network and server equipment is three to five years. If the equipment is not replaced at that time the County risks potential failures of the equipment impacting day to day operations and public safety. Furthermore, due to the constant advancements in the information technology field that result in accelerated obsolescence, vendors discontinue support of this type of equipment after five years. Operating cost will remain consistent with that of 2014. This is a normal "cost of doing business" investment.
8	WO215	Storage Expansion	\$300,000		\$300,000	An appropriation of \$300,000 is requested to increase data storage capacity. This capital request provides for the purchase of the hardware necessary for storage expansion in order to meet the projected growth in demand for data storage. Operating cost will remain consistent with that of 2014. This is a normal "cost of doing business" investment.
9	WO205	Fiscal Automation	\$500,000		\$500,000	An appropriation of \$500,000 is being requested to continue the multi year effort to reduce paper storage and consumption and move the County towards a paperless environment.
Total			\$18,019,113	\$0	\$18,019,113	

Department Name Department of Administrative Services- Information Management Services Division
2016

Rank	Project Number	Project Name	Total Cost	Reimbursement Revenue	County Financing	Project Description
1	WO614	Build Out Ten Digital Sites	\$6,567,490	\$0	\$6,567,490	An appropriation of \$6,567,490 is requested for phase three of a multi phase project to replace the analog, public safety 800MHz trunk radio system, consoles and radios to newer digital technology. Due to the fact that many system components of the current trunked radio system are no longer manufactured nor supported, Milwaukee County is at a critical point where the radio system, dispatch consoles and radios must be replaced. County will be running both the analog and digital radio systems simultaneously throughout the implementation process. Phase five operating cost are anticipated to be over \$1,250,000 due to the fact that IMSD will be operating both the Digital and Analog Radio systems until the full funding can be appropriated and the digital system can be implemented.
2	WO217	Phone and Voicemail System Replacement	\$1,500,000		\$1,500,000	An appropriation of \$1,500,000 is requested to continue the replacement of an obsolete PBX phone system that is no longer manufactured nor supported by the vendor. Milwaukee County is at a critical point where the Phone system throughout the County is in need of replacement. IMSD will be taking a phased approach to implementing Voice Over Internet Protocol (VOIP). At this point, IMSD does not know what the operating costs will be until we have developed a plan and chosen a system. This project is also dependent on re-wiring of the facilities (WO606). Cat6 cabling is a basic requirement for a fully functioning VOIP environment.
3	WO607	Wireless Communications	\$1,000,000		\$1,000,000	An appropriation of \$1,000,000 is requested to implement a standardized wireless infrastructure throughout Milwaukee County Facilities to enable collaboration, replacement telephone system (VOIP) and implement a high performing network. Operating cost will remain consistent with that of 2015.

4	WO602	Mainframe Apps Migration	\$2,500,000		\$2,500,000	An appropriation of \$2,500,000 is requested to complete the final phase of a multi year initiative that will replace the existing County financial system, Advantage, and the Criminal Justice Information System which both reside on a costly, obsolete Mainframe platform. The current operating cost for the mainframe is \$3,700,000. The operating cost for a new system is un-known at this time but is anticipated to be minimally 50% less than current state when the project is complete.
5	WO619	Disaster Recovery Site	\$800,000		\$800,000	An appropriation of \$800,000 is requested to continue the implementation of a solution for computing disaster recovery services. Operating cost is unknown at this time. IMSD must develop the plan for disaster recovery and select the solution before full project and operating cost will be known.
6	WO216	Thin Client	\$500,000		\$500,000	An appropriation of \$500,000 is requested to begin the planning and design phase of migrating the desktop computing environment to a cloud based service. Thin Client will replace the need for the replacement of personal computers driving cost savings over a period of time.
7	WO218	Technical Infrastructure Replacement	\$500,000		\$500,000	An appropriation of \$500,000 is requested to replace network and server equipment that has reached the end of its useful life. The useful life for this type of network and server equipment is three to five years. If the equipment is not replaced at that time the County risks potential failures of the equipment impacting day to day operations and public safety. Operating cost will remain consistent with that of 2015. This is a normal "cost of doing business" investment.
8	WO215	Storage Expansion	\$300,000		\$300,000	An appropriation of \$300,000 is requested to increase data storage capacity. This capital request provides for the purchase of the hardware necessary for storage expansion in order to meet the projected growth in demand for data storage. Operating cost will remain consistent with that of 2015. This is a normal "cost of doing business" investment.
9	WO205	Fiscal Automation	\$500,000		\$500,000	An appropriation of \$500,000 is being requested to continue the multi year effort to reduce paper storage and consumption and move the County towards a paperless environment.

Total			\$14,167,490	\$0	\$14,167,490	
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Department Name Department of Administrative Services- Information Management Services Division
2017

Rank	Project Number	Project Name	Total Cost	Reimbursement Revenue	County Financing	Project Description
1	WO614	Build Out Ten Digital Sites	\$2,940,000	\$0	\$2,940,000	An appropriation of \$2,940,000 is requested for the final phase of a multi phase project to replace the analog, public safety 800MHz trunk radio system, consoles and radios to newer digital technology. Due to the fact that many system components of the current trunked radio system are no longer manufactured nor supported, Milwaukee County is at a critical point where the radio system, dispatch consoles and radios must be replaced. At the completion of this phase Milwaukee County will be supporting only one radio system, digital. It is anticipated that the annual operating cost of the supporting the new system will be 40% less than that of 2016. It is recommended that there be a Subscriber fee charged for all users on the system. Operating cost will be approx. \$400,000 per year if the subscriber model is implemented.
2	WO216	Thin Client	\$1,500,000		\$1,500,000	An appropriation of \$1,500,000 is requested to continue the migration of the desktop computing environment to a cloud based service. Thin Client will drive cost savings over a period of time.
3	WO218	Technical Infrastructure Replacement	\$500,000		\$500,000	An appropriation of \$500,000 is requested to replace network and server equipment that has reached the end of its useful life. The useful life for this type of network and server equipment is three to five years. If the equipment is not replaced at that time the County risks potential failures of the equipment impacting day to day operations and public safety. Furthermore, due to the constant advancements in the information technology field that result in accelerated obsolescence, vendors discontinue support of this type of equipment after five years. Operating cost will remain consistent with that of 2016. This is a normal "cost of doing business" investment.
4	WO215	Storage Expansion	\$300,000		\$300,000	An appropriation of \$300,000 is requested to increase data storage capacity. This capital improvement project provides for the purchase of the hardware necessary for storage expansion in order to meet the projected growth in demand by County Departments for data storage. Operating cost will remain consistent with that of 2016. This is a normal "cost of doing business" investment.
5	WO205	Fiscal Automation	\$500,000		\$500,000	An appropriation of \$500,000 is being requested to continue the multi year effort to reduce paper storage and consumption and move the County towards a paperless environment.

Total		\$5,740,000	\$0	\$5,740,000
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Department Name Department of Administrative Services- Information Management Services Division
2018

Rank	Project Number	Project Name	Total Cost	Reimbursement Revenue	County Financing	Project Description
1	WO218	Technical Infrastructure Replacement	\$500,000		\$500,000	An appropriation of \$500,000 is requested to replace network and server equipment that has reached the end of its useful life. The useful life for this type of network and server equipment is three to five years. If the equipment is not replaced at that time the County risks potential failures of the equipment impacting day to day operations and public safety. Furthermore, due to the constant advancements in the information technology field that result in accelerated obsolescence, vendors discontinue support of this type of equipment after five years. Operating cost will remain consistent with that of 2017. This is a normal "cost of doing business" investment.
2	WO215	Storage Expansion	\$300,000		\$300,000	An appropriation of \$300,000 is requested to increase data storage capacity. This capital improvement project provides for the purchase of the hardware necessary for storage expansion in order to meet the projected growth in demand by County Departments for data storage. Operating cost will remain consistent with that of 2017. This is a normal "cost of doing business" investment.
3	WO205	Fiscal Automation	\$500,000		\$500,000	An appropriation of \$500,000 is being requested to continue the multi year effort to reduce paper storage and consumption and move the County towards a paperless environment.
Total			\$1,300,000	\$0	\$1,300,000	