	SUI	MMARY OF RECOMMENDATIONS					IMPLEMENTATION ROADMAP				
No.	Description	Estimated Benefits	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +			
	"	C	ORPORATE AND	DEVELOPMENT	SERVICES – CLU	JSTER A	II				
				Corporate Serv	vices						
T1	Transform service delivery by consolidation of technology and management between 3-4 LEG municipalities.										
i	Shared ERP Financial System Explore/ verify LEG appetite for a shared multi-entity Enterprise Resource Planning (ERP) solution and staffing model. Providing a single modern cloud-based accounting and ERP platform with customized account/ reporting/ budget structures for individual LEG municipalities. Following the model of private sector firms in consolidating back-office financial systems using "multi-entity ERP" solutions.	<ul> <li>Increased LOS through efficiency improvements by allowing LEG members to update dated versions of Vadim and other accounting/ERP platforms</li> <li>Decreased cost of system updates for individual municipalities</li> <li>Organizational resiliency through community of practice with common system amongst peers</li> </ul>	LEG	LEG	LEG	A. Conduct a facilitated brainstorming workshop of interested LEG members to address the functional/design requirements of a multientity ERP solution — including available vendors and implementation scoping/pricing  B. Develop ERP/MMS	<ul> <li>C. Assuming required interest/intent, execute a procurement process to secure the necessary ERP solution + implementation expertise via a shared capital project.</li> <li>D. Prepare a transition plan to the shared multi-entity ERP + MMS solution.</li> </ul>	E. Execute transition to shared multi-entity ERP/MMS and initiate a phased transition to the shared management model.			
ii	Shared Asset Management/ Maintenance Management System (AM/MMS)  Software solution to support activity based tracking maintenance activities against the specific asset objects consuming those resources. Enable the development of bottom-up activity based maintenance budgets tracked against actual maintenance activity delivered. Maintenance hours could be recorded once by staff in the field on mobile devices and then simultaneously populated in both the MMS and payroll modules of a multi-entity ERP.	<ul> <li>Increased LOS by improvements in asset management and capital/operational planning. Increasing efficiency by which asset and financial data are used in asset management and meeting requirements of O.Reg. 588/17</li> <li>Decreased cost of system purchased for individual municipality and potential long term cost saving in asset investment</li> </ul>	LEG	LEG	LEG	functionality profile and transition plan for implementationsecure 3 <sup>rd</sup> party expert PM capacity					

**LEGEND:** T – Transformational Recommendations (provide significant opportunity for long-term operational resilience)

**R** – Tactical Recommendations (provide incremental improvement, generally easier to implement)

	SUI	MMARY OF RECOMMENDATIONS					IMPLEMENTATION ROADMAP	)
No.	Description	Estimated Benefits	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +
T2	Shared Management Model Consolidated management models can be configured for groups of 3-4 LEG municipalities to support the consolidated backroom finance and data management model. A single ERP financial system managed by a shared Finance staffing model composed of a Senior Treasurer and distributed team of analysis/specialists.  LEG shared staffing model for two HR specialists (excluding Arnprior) has been justified by demand estimates/requirements identified by each participating municipality. A variety of implementation options are available and are highly flexible based on operational demands.	C	ORPORATE AND	DEVELOPMENT			C. Ongoing refinement of HR specialists work plan/division of labour/roles. Continuing integration within/across LEG municipal work teams  D. Fully integrated HR Specialists model moving forward.	F. Initiate a phased transition to the consolidated staffing models for Finance and Public Works

	SUN	MMARY OF RECOMMENDATIONS					Initiate a CVA defense dialogue with a recognized expert firm re. the appropriate proactive/reactive program to meet the needs of the LEG/Renfrew County  C. Rollout/execute the initial full-year plan for CVA defense program across remainder of contract period – with annual valu for-money evaluation of the CVA defense investment (after 18  F. Execute refined CVA defense remainder of contract period – with annual valu for-money performance reports (e.g. ratio of dollars) spent versus tax revenue			
No.	Description	Estimated Benefits	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +					
				DEVELOPMENT	SERVICES – CL	USTER A				
R1										
	Secure an expert/proven contractor to provide "CVA defense" services to the LEG or Renfrew County via a mixed program of proactive and reactive advice/analysis/legal services	<ul> <li>Decreased cost through more active management of tax appeals and municipal tax base resulting in a reduction in "at risk assessment" loss</li> </ul>	LEG	LEG	LEG	dialogue with a recognized expert firm re. the appropriate proactive/reactive program to meet the needs of the	full-year plan for CVA defense  D. Prepare a year-end value- for-money evaluation of the CVA defense investment (after 18	defense program across remainder of contract period – with annual value-		
R2	Consolidated purchase for vendor services such	h as insurance, banking, audit, legal and	IT maintenance	e and core syster	m. Consider pay	yroll administration contracted se	rvice in Do Later.			
	Establish LEG technical working group of staff to rollout bulk purchasing of various professional services addressed in recommendations below.	<ul> <li>Efficiency in providing a venue for discussions of technical implementation of shared services</li> </ul>	LEG			A. Rollout out LEG-wide bulk purchase of Audit services in time for 2022 budget     B. Rollout LEG-wide bulk	E. Rollout LEG-wide bulk purchase of IT support and project-based services in time for 2023 budget			
i	Consolidated Purchase - Insurance Two bulk purchasing groups have been identified for insurance services in the Do Now to Do Soon term. In the long term or if short extensions to contracts expiring in 2021 are possible the two groups should be combined to realize further efficiencies.	<ul> <li>Decreased cost through pricing efficiencies for standard insurance services in the 10-20% range.</li> <li>Billable hour pricing may expand in longer term.</li> </ul>	AB H GM MB RF	AP WW		purchase of Banking services in time for 2022 budget  C. Rapid rollout of bulk purchase of Insurance services for AB, H, GM, MB & RF for mid-year 2021  D. AP, H & MB to issue bulk	<ul> <li>F. Consider shared CRM tool purchase and deployment         <ul> <li>resulting in standardized work order driven follow-up to public complaints and service requests</li> </ul> </li> <li>G. Consider bulk contracting option for LEG payroll</li> </ul>			
ii	Consolidated Purchase - Banking Joint purchasing opportunity for all LEG municipalities to obtain services from a single provider.	<ul> <li>Decreased cost through pricing efficiencies for standard banking services in the 10-20% range.</li> </ul>	LEG			purchase to their common provider of Legal services	services processing – could be harmonized with backroom multi-entity ERP solution addressed in			

	SUI	MMARY OF RECOMMENDATIONS					IMPLEMENTATION ROADMAP	
No.	Description	Estimated Benefits	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +
iii	Consolidated Purchase - Audit Joint purchasing opportunity for majority of LEG municipalities to obtain services from a single provider. Those with annual renewals or no contract to implement in the Do Now term and other included as existing contractual agreements expire.	<ul> <li>Decreased cost through pricing efficiencies for standard auditing services in the 10-20% range.</li> <li>Billable hour pricing may expand in longer term.</li> </ul>	AB H GM MB RF	AP WW	SERVICES – CLU	JSTER A	Cluster A Final Report	
iv	Consolidated Purchase - Legal Joint purchasing opportunity for legal services from a common provider, or a roster of providers.	<ul> <li>Decreased cost through efficiency of service for standard legal services in the 10% range. Billable hour pricing may expand in longer term.</li> </ul>	LEG					
V	Consolidated Purchase - IT Maintenance & Core System  Bulk purchase opportunity for IT support and project management/ development solutions through standing offer or tender.	<ul> <li>Decreased cost through pricing efficiencies for standard IT services in the 10-20%range. Billable hour pricing may expand in longer term.</li> </ul>		LEG				
vi	Consolidated Purchase - Benefits Continue with the current County model for benefits procurement. Whitewater to join County benefits program.	<ul> <li>No change for six municipalities</li> <li>Improved benefits plan for Whitewater to join County program.</li> </ul>	ww					
vii	Payroll Administration Contracted Service Through joint financial and backroom efforts, further examination of combined external payroll administration, data entry and management should be examined. Following national trends in private sector organizations.	Decreased cost		LEG				

	SUI	MMARY OF RECOMMENDATIONS					IMPLEMENTATION ROADMAP	
No.	Description	Estimated Benefits	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +
				DEVELOPMENT	SERVICES – CLU	JSTER A		
R3	Consider wide application across LEG of a cust		system.	11				
	Review implementation of CRM tool in Arnprior for consideration of wide application across LEG moving municipalities towards modernization in customer relations.	<ul> <li>Increased LOS by providing increased resident engagement opportunities</li> <li>Increased efficiency through automated processes and reduction in staff time required to log and process</li> <li>Improved data capture and performance measurement to be used in budgeting/ planning activities and reporting</li> </ul>	LEG			A. Review implementation of CRM tool in Arnprior for consideration of wide application across LEG municipalities		
			1	Development Se	rvices			"
R4	<b>Establish a 417 Growth Preparedness Working</b>	Group to develop and execute a busine	ess plan and sec	ure delegated au	thority from Co	ounty for sub-division approvals.		
	Create Highway 417 Extension Growth Preparedness Working Group and develop Growth Preparedness Business Plan. Secure required CAO/Council approvals and finalize Highway 417 Growth Preparedness Business Plan. Begin to execute identified action items in the Plan.	Develop economies of scale in future greenfield Development Application Process	GM HT MB RF	GM HT MB RF	GM HT MB RF	A. Establish Growth Preparedness Working Group and create and develop an inventory of preparedness issues to address in the Business Plan B. Secure necessary expert facilitation resources & prepare the draft 417 Extension Growth Preparedness Business Plan	C. Secure required CAO/Council approvals and finalize 417 Growth Preparedness Business Plan D. Begin to execute identified action items in the Plan	E. Continue Preparedness Plan execution and buildout of new LEG greenfield DAP model

	SUI	MMARY OF RECOMMENDATIONS					IMPLEMENTATION ROADMAP	
No.	Description	Estimated Benefits	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +
i	Secure Delegated Authority from County for Sub-Division Approvals Secure delegated Sub-Division approvals authority from Renfrew County for LEG municipalities directly impacted by Highway 417 Extension.	Increased efficiency and control via streamlined greenfield DAP and direct oversight of LEG municipalities	WW *And others without delegated authority	WW *And others without delegated authority	WW *And others without delegated authority	A. Prepare a common LEG staff report to the Councils directly impacted by 417 Extension development pressures. Set out the case/precedents for delegated sub-division approvals. B. Initiate a dialogue with Renfrew County staff/ Council to review the merits of delegation — recognizing not all local municipalities in Renfrew County need opt for the new accountability model.	C. Integrate delegated subdivision approvals model into the 417 Extension Growth Preparedness business plan. Take full advantage of opportunity to streamline sub-division approvals process based on LEAN thinking/DAP best practices such as the new Lennox & Addington delegated model.	D. Rollout new streamlined/delegated approvals model to deal with 417 Extension pending applications
ii	Building Inspector Capacity Secure available Building Inspector plans examination/ inspection hours for coverage/ added service across LEG municipalities (e.g. full utilization of the certified contract Building Inspector already working ½ time in Arnprior).	<ul> <li>Fill capacity shortfall in select municipalities</li> <li>Increased resilience to future capacity increases for likely increase in development</li> </ul>	as required			A. Hours can be secured in 2021 budget process by LEG "buyers" experiencing escalating development activity.		
iii	Complex Building Inspection Capacity Create a Part 3 Complex Buildings roster of available/ certified CBO hours to execute plans examination and inspections. Establish a consistent cost recovery/ revenue generating billing rate. Develop a 2021 allocation of available Part 3 hours based on identified LEG municipality needs.	<ul> <li>Increased efficiency and capacity by addressing shortage of qualified Part 3 Building staff across LEG</li> </ul>	LEG			A. 3 certified CBOs to establish a consistent cost recovery/revenue generating billing rate. Develop a 2021 allocation of available Part 3 hours based on identified LEG need.		

	SUI	MMARY OF RECOMMENDATIONS				IMPLEMENTATION ROADMAP		
No.	Description	Estimated Benefits	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +
			FIRE SERVICES	AND BYLAWS SE	RVICES – CLUS	TER B		
				Fire Service	es .			
R5	Borderless Emergency Response be established	d by automatic aid agreements across t	he LEG. Plannin	g and implemen	tation be referi	red to new Fire Services Shared W	orking Group.	
	Automatic aid agreements to be standardized across the LEG. Assurance that the closest (by travel time) fire station responds to any given emergency, irrespective of municipal boundaries, in order to provide a more immediate provision of fire protection services until the responsible department can arrive.	<ul> <li>Increased LOS through decrease in response times</li> <li>Reduced risk from existing capacity constraints and response time lag</li> </ul>	LEG	LEG		<ul> <li>A. Model response time polygons for all LEG fire stations</li> <li>B. Draft standardized Automatic Aid Agreements</li> <li>C. Move towards borderless emergency response across the LEG</li> </ul>	D. Move towards borderless emergency response beyond the LEG as appropriate	
R6	Initiate First Line of Defence planning and budg	geting, execute the work plan and deliv	er KPI reporting	at year end.				
	Sharing of dispersed inspection and education qualified staff to expand first line of defence service delivery across LEG. Initiate first line of defence planning and budgeting. Cost recovery rate is proposed as a fixed cost/ per hour billable rate to be determined by Service Sharing Working Group.	Reduced risk of fire losses and suppression costs	LEG	LEG		A. Initiate First Line of Defense planning (needs and availability) and budgeting (unless incorporated into organizational model change)	<ul><li>B. Execute First Line of Defense work plan</li><li>C. Deliver First Line of Defense KPI reporting at year-end</li></ul>	
Т3	Sharing of fire administration and leadership s	ervices amongst two or more municipa	lities but mainta	in cadre of local	fire fighters ma	anaged by a joint full-time chief a	nd senior officers in each departm	ent.
	Following recent trends amongst small Ontario municipalities, the sharing of administrative and leadership services amongst two or more municipalities is recommended for further review. Municipal fire departments would maintain cadre of local fire fighters, managed by joint full-time chief and senior officers in each department. Further investigation into optimal organizational design for shared administration and leadership is required.	<ul> <li>Reduce redundancies and distractions of the Fire Chief (i.e. currently holding multiple roles) and increase sharing of resources, equipment and training across the group of municipalities.</li> </ul>	LEG	LEG		<ul> <li>A. Determine most         appropriate organizational         model municipality by         municipality</li> <li>B. Begin discussions on         sharing administration and         other services as         appropriate</li> </ul>	<ul> <li>C. Obtain individual Council approvals on organizational design as appropriate</li> <li>D. Implement appropriate organizational models</li> </ul>	

	SUI	MMARY OF RECOMMENDATIONS					In conjunction with appropriate organizational D. Prepare "shovel-ready" F. Could shift to "Do La capital projects (Timing to needed for project for p			
No.	Description	Estimated Benefits	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +					
			FIRE SERVICES	AND BYLAWS SI	ERVICES – CLUS	TER B				
T4	T4 Consolidate fire station infrastructure using a primary and smaller satellite station model while not impacting staffing model.									
	Consolidate fire station infrastructure using a primary and smaller satellite station model while not impacting staffing model. LEG members have inherited a significant number of aging fire station which are at or nearing end of life, posing a daunting asset management challenge. It is recommended that a system of primary and satellite station configurations be considered for LEG municipalities. There are a variety of possible configurations which should be reviewed in detail in further studies.	<ul> <li>Cost avoidance through strategic investment in infrastructure renewal estimated between \$500,000 and \$3,875,000</li> <li>Maintained LOS by maintaining resident insurance discounts and response times</li> </ul>	LEG *not including GM at this time	LEG *not including GM at this time	LEG *not including GM at this time	appropriate organizational planning as per Recommendation T3, confirm station replacement needs and	capital projects (Timing to be adjusted to qualify for a	F. Could shift to "Do Later" as needed for project funding or conventional capital program		
<b>R7</b>	Develop a training sharing model for implement	ntation across the LEG municipalities fo	r fire fighter trai	ining.		-				
	Limited training opportunities are available in Renfrew County. It is recommended that resources for recruit and ongoing training be shared and developed to provide training to LEG municipality fire services staff.	<ul> <li>Increased efficiency by increasing the access to training for staff in LEG municipalities</li> <li>Decreased cost associated with bringing training resources in through joint procurement and sharing of costs</li> </ul>	LEG			A. Begin sharing resources for recruit and ongoing firefighter training				

	SU	MMARY OF RECOMMENDATIONS					IMPLEMENTATION ROADMAP	
No.	Description	Estimated Benefits	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +
			FIRE SERVICES	AND BYLAWS SE	ERVICES – CLUS	TER B		
R8	Join a dedicated fire dispatch service as a LEG	group for improved communication.						
	Establish cross-municipality Fire Services Sharing Group to guide implementation of recommendations and investigate additional sharing opportunities such as review ongoing dispatching concerns with County/Ministry of Health and Long Term Care, and source alternate service provider as necessary.	Working together the LEG municipalities should be able to negotiate a "bulk purchase" for joining a dedicated fire dispatch service if needed. Improved communication and reporting could be achieved with annual costs as low as \$3.00 per resident.	LEG			A. Fire Sharing Services Group to investigate sharing opportunities, initially dealing with borderless Automatic Aid agreements as per Recommendation R5 and R6, Specialty Services, Training and First Line of Defense opportunities	B. Fire Sharing Services Group to investigate further opportunities: Communications (Dispatch), Bulk Purchasing, Shared Human Resources, etc.	
i	Tiered Medical Response LEG municipalities indicated interest in participating in tiered response, however at the current time the data indicates little community benefit to response times for the associated investment. The consideration of tiered response should be revisited by the Fire Services Sharing Working Group.	Improved service		LEG			C. Investigate tiered medical response	
				By-Law Enforce				
R9	Develop multi-year, multi-municipality service		er for by-law and	d animal control		T		
	LEG municipalities to develop a multi-year, multi-municipality service agreement for bylaw and animal control.  The consideration of adding additional services to the package (by-law review and updating, etc.) is recommended.  Development of back-up/alternate provider as necessary.	<ul> <li>Reduced risk in service disruption with multi-year agreement</li> <li>Cost avoidance of future escalating costs from annual renewals or in-house service</li> <li>Increased efficiency freeing up existing staff time to be deployed in other areas</li> </ul>	LEG			A. Negotiate 3-5 year multi- municipality service agreement to maintain stability of service and pricing		

	SU	MMARY OF RECOMMENDATIONS					IMPLEMENTATION ROADMAP	
No.	Description	Estimated Benefits	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later <b>202</b> 5 +
			PU	BLIC WORKS – C	LUSTER C			
T5	<b>Consolidate Public Works management across</b>	the LEG municipalities with a new posi	tion for Public W	orks Director w	ith a direct repo	ort from each LEG municipality and	I one new water/wastewater cook	rdinator.
	Consolidate Public Works management across the LEG municipalities with a new position for Public Works Director with a direct report from each LEG municipality and one new water/wastewater coordinator. The Public Works Director would report to each Municipal Council and be supported by a direct report from each municipality.	By consolidating the leadership of Public Works into one position, the LEG municipalities will share in the marginal additional cost to hire more seasoned Public Works Director who can monitor and measure the benefits of borderless services and identify opportunities for continuous improvement.  Facilitating the sharing of equipment, staffing resources and sharing of vehicles could result in lower capital costs and maintenance costs.  • Alleviate resourcing/ capacity issues • Future shared service implementation efficiency through understanding of multiple municipalities • Change Management Agent to support the implementation of the recommendations. Report to LEG or serve on the LEG Strategy Group.	LEG			A. LEG municipalities should meet and discuss the need and level of effort required for each LEG municipality.  B. Hire a shared Public Works Director and implement cost sharing agreement.		

	SUI	MMARY OF RECOMMENDATIONS					IMPLEMENTATION ROADMAP	•
No.	Description	Estimated Benefits	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +
			PU	BLIC WORKS – C	LUSTER C			
				oads and Winter				
R10	Consider a target of reducing salt application be		onitoring of com	puterized sprea	iding equipmen			
	Based on current research and benchmarking against municipalities with advanced winter control services, a 15% reduction in salt application is recommended. Implementation through training, monitoring of computerized spreading equipment and review of results.	<ul> <li>Reduced cost of salt and reduced environmental impact, depending on the winter season, could generate \$20,000 savings per LEG municipality.</li> <li>There is also the additional benefit of reduced environmental impact from reduced road salt usage.</li> </ul>	LEG	LEG		<ul> <li>A. Educate staff (operators and supervisors).</li> <li>B. Monitor the computerized equipment spreaders.</li> <li>Efforts to reduce salt application can then be measured against this baseline, and the target</li> </ul>	C. Continue to reduce the salt application rate if a 15% reduction provides adequate ice maintenance.	
i	Continue Joint Purchase of Salt During the project Renfrew engaged LEG members in a joint negotiation for bulk pricing for salt for 5-years. It is recommended LEG continue this collaboration in future salt and sand purchasing.	Reduced cost and established pricing for 5-year term.	LEG			15% reduction can be measured and achieved.		
R11	Consider converting rural roads wtih AADT<20		at least tempor	arily.	<u> </u>			
	Rural dominant LEG municipalities to convert paved roads with low traffic (AADT<200) to gravel roads at the end of their lifespan, at least temporarily. Surface stabilization techniques to minimize the amount of maintenance are recommended when considering conversion to gravel.	Converting to gravel roads on a temporary basis may be more suitable for LEG municipalities with concerns about long-term maintenance, as additional gravel would likely need to be added at some point during the converted gravel road's lifespan. This will at least buy some time until funds are available for a larger investment.	AB H GM MB WW	AB H GM MB WW	AB H GM MB WW	A. Conduct traffic studies to determine which rural paved roads are suitable to convert to gravel at the end of lifespan.	B. Evaluate the paved road conditions for roads that meet the AADT target. Roads in poor condition nearing the end of lifespan should then be planned for conversion. This may include reducing design speeds to 50 km/hr.	<ul> <li>C. Inform and educate the public about planned road conversions. Early and effective communication is key here.</li> <li>D. Convert suitable paved roads to gravel and apply stabilization techniques.</li> </ul>

	SU	MMARY OF RECOMMENDATIONS						
No.	Description	Estimated Benefits	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +
R12	Consider additional boundary agreements for			BLIC WORKS – C				
	Significant number of boundaries roads between LEG municipalities do not have current formal agreements. It is recommended to develop agreements (formal and informal) to further capture the current efficiencies in cost and staff time experienced with current agreements. Road agreements should be based on proximity to	Additional road agreements in a borderless services model creates more efficient routing and reduces overtime. Reducing overtime hours by 25% would generate savings of close to \$10,000 per municipality on an annual basis.	LEG			A. Organize and conduct meetings with neighbouring municipalities to discuss the feasibility of some potential road agreements  B. Decide on formal or informal road agreements		
R13	public works garages and efforts to reduce overtime hours and not be limited to boundary roads.  Create a LEG Community of Practice for Waste	and Recycling services to allow local m	unicipalities a gi	reater opportuni	ty to identify ar	and develop documentation for these agreements (if necessary)  reas for collaboration and best pra	actice.	
	Recommended that LEG develop a Waste and Recycling specific community of practice to share, promote and highlight enhancements for waste management initiatives thereby allowing local governments a greater opportunity to identify areas for collaboration and best practices	<ul> <li>Enhanced program management and collaboration</li> <li>Improved training through sharing of best practices and lessons learned</li> <li>Further shared service development opportunity</li> </ul>	LEG			<ul> <li>A. Set goals and objectives</li> <li>B. Establish a corporate infrastructure</li> <li>C. Be aware of the experience and knowledge each member brings to the table.</li> <li>D. Hold an introductory meeting for all members / Establish a Chair</li> <li>E. Use social media platforms and online forums to keep in touch</li> </ul>		

	SUI	MMARY OF RECOMMENDATIONS				IMPLEMENTATION ROADMAP		
No.	Description	Estimated Benefits	Do Now Do Soon 2021 - 2022 2023 - 2024	Do Later 2025 +	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +	
			PUBLIC WORKS – C	LUSTER C				
			Waste and Rec	<del>.                                      </del>				
R14	7 - 0.0		vide critical data in developing o	ptimized waste	management plans.			
	LEG municipalities to jointly engage a consultant to complete waste composition studies to provide critical data in developing optimized waste management plans.	<ul> <li>Improved data for decision-making, by understanding waste composition LEG municipalities can better develop waste management strategies</li> <li>Reduced cost of study through group purchase of services</li> </ul>	LEG	LEG		A. Utilize 'best practices' from across environmental agencies, organizations, local governments and determining what procedures and practices they might be able to implement in order to better reduce wasteful household organic waste. (e.g.: Adapted from the Environmental Protection Agency: "Too Good to Waste Implementation Guide and Toolkit")	B. Consider developing strategies to look for new and innovative ways to acquire funding from across different organizations and sources. Some of these sources could include:	
R15	LEG municipalities with wastewater treatment	t facilities should consider alternate reu	ise options for biosolids to free	up capacity at la	indfills.	,		
	LEG municipalities operating municipal wastewater treatment facilities should consult existing guidance on biosolids management best practices and consider the completion of biosolids management analysis.	<ul> <li>Improved data for decision making, understanding the key environmental and financial benefits that may be realized by implementing bi-solids best practices</li> <li>Cost recover opportunities through improved biosolids management</li> </ul>	AP RF WW	AP RF WW		<ul> <li>A. Arnprior, Renfrew and Whitewater should develop a vision for the biosolids program that defines the goals and objectives and the roles and responsibilities of the various staff.</li> <li>B. Train staff and develop standard (and emergency) operating</li> </ul>	<ul> <li>C. Monitor activities,         processes and the final         product, maintain records         and report to the various         interested parties         including management,         elected officials, the public         and regulatory agencies.</li> <li>D. Review and evaluate         results against objectives         and implement any</li> </ul>	

	SUI				IMPLEMENTATION ROADMAP			
No.	Description	Estimated Benefits	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +
			PU	BLIC WORKS – C	LUSTER C			
							the quality of the product and achieve compliance.	necessary to achieve what was planned.
R16	Explore Household Hazardous Waste opportur		ity, consider mo	bile service deliv	very and techno			
	While programs for hazardous household waste exist, there is currently limited access to these programs within LEG. Recommended that LEG municipalities further examine opportunities for increases in service delivery capacity, mobile service delivery and technological innovation to increase LOS and resident awareness/ participation.	<ul> <li>Increased LOS for residents through ease of drop-off and convenience</li> <li>Reduced environmental impact through improved program participation and increase in waste properly disposed</li> </ul>	LEG	LEG	LEG	A. Analyze and determine the costs associated with staggering drop-off dates throughout the course of the year at the Renfrew landfill site to provide greater access to residents to drop off their household hazardous waste.	B. Pilot mobile household hazardous waste days on multiple event days and locations and determine if such measures provide greater effectiveness for the removal of HHW.	C. Measures including targeted advertising campaigns and even implementing a phone app to better promote current measures to dispose of HHW should be considered.
			Engine	ering and Asset	Management	•		
R17	Recommend LEG municipalities identify prefer	rred development standards and engag	e a consultant to	assist in creatin	ng a common De	evelopment Standards Manual.		
	Recommended LEG municipalities identify preferred development standards and engage a consultant to assist in creating a common Development Standards Manual.	<ul> <li>Increased efficiency in engineering review and development approvals process.         Considerable benefit with increased development pressure likely from Highway 417 extension     </li> <li>Opportunity for sharing staff for workflow management</li> </ul>	LEG	LEG		A. LEG municipalities should meet to discuss their preferred development standards, and decide on one or multiple groups for a shared Development Standards Manual.	B. Develop an RFP (or RFPs) for consultants to bid on creating a shared Development Standards Manual.	
R18	Recommend a new shared position for Asset N	Management Coordinator/ Analyst to se	rve a group of L	EG municipalitie	es.	П		
	Recommend a new shared asset management coordinator/ analyst position to serve a group of LEG municipalities.	Increased efficiency by having dedicated focus on asset management activities and a well-developed understanding of associated tools	LEG			A. LEG municipalities should meet to discuss which groups will work best for a shared asset management coordinator position.		
		<ul> <li>Alleviate resourcing/ capacity issues</li> </ul>				B. Post a job for a shared asset management coordinator (or analyst)		

	SUI					IMPLEMENTATION ROADMAP	,	
No.	Description	Estimated Benefits	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +
			PU	BLIC WORKS – C	LUSTER C			
		<ul> <li>Increased LOS providing a dedicated service to asset management and requirements of O.Reg. 588/17</li> <li>Significant efficiencies gained over time as lifecycle strategies for all assets are implemented and managed more pro-actively</li> </ul>				position, conduct interviews and hire the person with the best fit.		
R19	Implement similar or like Asset Management S	Software and tools.	1					
	As many LEG municipalities are currently looking for software and tools to implement it is recommended they collaborate to identify common or similar asset management tools.  LEG municipalities with existing cools should continue with existing solutions, unless the current solution is not meeting service demands.	<ul> <li>Reduced cost through combined training efforts</li> <li>Organisational resiliency through community of practice and peer support</li> <li>Increased efficiency in implementing best practices</li> </ul>	AB H GM MB RF	AB H GM MB RF		A. LEG municipalities should meet and discuss current asset management software being used, as well as the pros and cons for each software.	B. Based on the discussions, implement the chosen asset management software(s). Combine training efforts in person or virtually.	
				Fleet and Equip	ment			
R20	Reduce vehicle/ equipment lifecycle expectant Data provided by Arnprior shows net cost savings by reducing typical life expectancy for most vehicles to 10-years through reduced maintenance cost, reduced staff time and improved vehicle reliability. Recommended that all LEG move towards adopting a similar life expectancy for most vehicles.	Reduced cost by avoiding high maintenance cost associated with vehicles over 10-years old     Increased LOS through improved equipment reliability and reduced staff time required for maintenance	LEG	LEG	LEG	A. Determine the fleet vehicles/equipment still in service beyond 10 years.	B. Based on available funds, replace the most problematic vehicles/equipment that are beyond the 10 year target.	C. Update the Asset Management Plan to reflect the reduced lifecycle targets. Eventually, it will be easier to find funds to replace vehicles and equipment on a more regular basis.

	SUI	IMPLEMENTATION ROADMAP						
No.	Description	Estimated Benefits	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +
			PU	BLIC WORKS – C	LUSTER C			
R21	Share infrequently used specialized equipment	•	I	T	I	1		
	Municipalities require the use of specialized equipment on infrequent intervals, which must be purchased or contracted.  Recommended that specialized equipment be shared on a charge-out rate basis amongst LEG municipalities. Equipment operator to be included with equipment.	<ul> <li>Reduced cost or increased cost recover through lower charge out rate and increased utilization of equipment</li> <li>Cost avoidance through elimination of equipment purchase and reduction in redundant equipment</li> </ul>	LEG			<ul> <li>A. Finalize specialized equipment list available for sharing with charge-out rates.</li> <li>B. Create a shared google spreadsheet among LEG municipalities.</li> <li>C. Each LEG municipality should update the shared spreadsheet on a bi-annual basis and start utilizing specialized equipment from other municipalities when needed.</li> </ul>		
R22	Shared in-house mechanic to serve LEG munici	palities.				Л		
	Shared in-house mechanic to service multiple LEG municipalities, from a central location. Recommended to evaluate existing and future garage capacity to plan accommodation for shared mechanic staff and current hourly demand to identify the number of staff required.	<ul> <li>Increase in reliability and availability of mechanic services with shared in-house mechanic.</li> <li>Using a sharing model spreads the cost of equipment and staff across individual municipalities who benefit with the service provided at lower hourly rate than private garage.</li> </ul>	AB AP H MB	GM R WW		A. Determine capacity of existing garage locations to accommodate a shared mechanic position.     B. Discuss planned garage construction projects among the LEG group (e.g.: Renfrew and Greater Madawaska)	C. Hire additional mechanic(s) to share between LEG municipalities.	

	SUMMARY OF RECOMMENDATIONS						IMPLEMENTATION ROADMAP			
No.	Description	Estimated Benefits	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +		
			PARKS A	ND RECREATION	I – CLUSTER D					
			Re	creational Progra	amming					
R23	Programming and use agreements for use or s	hared recreational programming.	Ţ							
	Several user agreements are currently in place between LEG municipalities. It is recommended LEG continue, expand and consider new agreements for use of or shared recreational programming.	<ul> <li>Increased LOS through expanded service offerings.</li> <li>Reduced cost through reduced duplication of programming.</li> <li>Increased utilization of programs from increased amount of users.</li> </ul>	LEG	LEG	LEG	A. Renew as appropriate and continue existing agreements if the terms are still agreeable between both parties.	<ul> <li>B. Renegotiate any existing agreements that are still of interest, but require new terms.</li> <li>C. Consider expanding existing agreements to include additional services if applicable (e.g. lifeguard services).</li> </ul>	D. Consider developing new use agreements between LEG members such the Township of Whitewater, Admaston/Bromley and/or Horton for use of recreational programming.		
R24	<b>Develop a LEG Parks and Recreation Communi</b>		(volunteer) to sh	nare and discuss	ion outcomes f					
	Recommended to develop a LEG Parks and Recreation Community of Practice with staff representation (volunteer) from all municipalities to form a community of practice to share and discuss outcomes from Renfrew County Parks and Recreation discussions. Also recommended LEG consider group enrollment in applicable parks and recreation organizations.	<ul> <li>Improved LOS through comparison and discussion with neighbouring municipalities.</li> <li>Organisational resiliency through community of practice and peer support</li> <li>Reduced cost through sharing of registration for enrollment in parks and recreation organizations.</li> </ul>	LEG	LEG		<ul> <li>A. Continue to meet with County parks and recreation representatives as needed.</li> <li>B. Form LEG Parks and Recreation Community of Practice with one volunteer staff representative from each LEG municipality to discuss outcomes from County discussions.</li> </ul>	C. Consider a group enrollment in applicable parks and recreation organizations (PRO) with shared enrollment fee across LEG municipalities.			

	SUMMARY OF RECOMMENDATIONS					IMPLEMENTATION ROADMAP			
No.	Description	Estimated Benefits	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +	
				ND RECREATION					
R25	Online Hub for Parks and Recreation. Evaluate With mixed utilization of online program and facility booking tools it is recommended that LEG members evaluate existing programs to determine feasibility of a shared software purchase. In tandem it is recommended that a shared online calendar of events / seasonal guide for all LEG municipalities be developed.	<ul> <li>Increased efficiency in public communication providing a localized directory of events and programs from across LEG</li> <li>Reduced cost for individual program use and lowering individual barriers to entry through economies of scale</li> </ul>	LEG	LEG	LEG	A. Develop a shared online calendar of events / seasonal guide for all LEG municipalities to share special events and cross promote / marketing.	B. Evaluate current programming booking software and determine if group share is desired and feasible between interested parties.	C. Consider group purchase / enrollment in one booking software for cost savings and increased efficiency for residents, especially for those with recreation agreements in place.	
				acilities and Cor					
R26	Sharing Model for Facilities. Develop a group so Several user agreements are currently in place between LEG municipalities. It is recommended LEG continue, expand and consider new agreements for use of or shared recreational programming. In tandem LEG should develop a group strategy for collaboration with school boards and private business for facility use agreements. Look at sharing certified playground inspectors.	Cost avoidance and asset management planning alignment opportunity by expanding use agreements potentially decreasing the need for duplicate facility assets and costly replacement/ renewal investments     Increased LOS providing additional facility use to residents	LEG	LEG	LEG	A. Maintain existing agreements if terms are still agreeable between parties.  B. Evaluate and update rental fees as needed.	C. Renegotiate and expand on existing agreements if changes are needed or desired.  D. Develop a new group sharing agreement to share certified playground inspectors (training, certifications etc.) for interested parties.	<ul> <li>E. Develop group strategy for joint collaboration and new/renewed/expanded use agreements with school boards in each municipality.</li> <li>F. Develop group strategy for collaboration with private businesses for use of their facility in the off season (e.g. private swimming pool in Calabogie).</li> </ul>	

	SUI	MMARY OF RECOMMENDATIONS	IMPLEMENTATION ROADMAP				
No.	Description	Estimated Benefits	Do Now Do Soon 2021 - 2022 2023 - 2024	Do Later 2025 +	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +
			PARKS AND RECREATION	I – CLUSTER D			
<b>R27</b>	Consider a coordinated effort to explore feasik	pility for future aquatics access across in	nterested LEG municipalities.	1			
	With many LEG recreation facilities approaching or having surpassed their lifecycle it is recommended that potential improvements and development of multipurpose facilities be evaluated. Further LEG should begin a coordinated strategy for future amenity development and asset management of recreation facilities.	<ul> <li>Increased LOS by providing multiple recreation opportunities in a single location, financial economy of scale.</li> <li>Increased resiliency by providing spaces that are flexible and can evolve over time.</li> <li>Increased LOS by providing equal access to opportunities for all residents (accessibility).</li> <li>Reduced cost / cost avoidance through operational and maintenance efficiencies with single multi-purpose location.</li> </ul>	LEG	LEG		<ul> <li>A. Consider evaluating facilities for potential accessibility improvements to improve overall access to residents.</li> <li>B. Investigate and identify facilities where multipurpose facilities can be located / co-located to help improve operational efficiency (e.g. playing field, ball diamond, outdoor court, and outdoor rink beside community centre.)</li> </ul>	<ul> <li>C. Begin a coordinated effort for constructing future amenities such as locating another pool within LEG, possible in the Town of Renfrew. Or consider a new agreement with a municipality outside LEG (City of Pembroke).</li> <li>D. Establish a coordinated asset management strategy for when facilities reach/exceed life expectancy, evaluate, fund and locate new facilities to benefit multiple parties.         Also, joint plan coordination / group rate for professional drawings / engineering / geotechnical studies etc.     </li> </ul>

	SUI	IMPLEMENTATION ROADMAP						
No.	Description	Estimated Benefits	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +	Do Now 2021 - 2022	Do Soon 2023 - 2024	Do Later 2025 +
			PARKS A	ND RECREATION	– CLUSTER D			
				Parks and Tra	ils			
R28			cquisition and pl	lanning of future	facilities, park			
	It is recommended that a LEG Recreation, Parks and Trails Master Plan be developed and a coordinated approach be applied to the acquisition and planning of future facilities, parks and trails. A variety of possible joint ventures and regional or community group collaborations have been further identified for LEG consideration	<ul> <li>Reduced cost for planning study through economies of scale.</li> <li>Improved data for decision making by collaborating on a the strategic direction and implementation plan for all recreation, parks and trails</li> </ul>	LEG	LEG	LEG	<ul> <li>A. Identify underutilized park space and take steps to revitalize as required to improve levels of visitation.</li> <li>B. Look to implement community gardens in LEG municipalities. Coordinate with the County of Renfrew regarding possibility of extended grant funding. The provincial deadline was in June of 2020, but there may still be opportunities to take advantage of.</li> <li>C. Enter into agreements with local clubs (ATV, snowmobile) to help identify local trail opportunities (e.g. offroad / blue (water trails).</li> <li>D. Engage community groups, school boards for partnerships. (community watch, spring clean) etc.</li> </ul>	<ul> <li>E. Collaborate with the County of Renfrew and other LEG municipalities to identify active transportation routes and plan for hard shoulders.</li> <li>F. Consider collaborating on and completing a regional LEG Parks, Recreation and Trails Master Plan (if applicable). If unable or uninterested in a regional plan, consider developing a local master plan.</li> </ul>	G. Look to expand the park network through strategic acquisition for better connectivity.  H. Look to create better / new connections into the regional trail system from municipal lands. This will, as a result, create improved connections between municipalities along the regional trail right of way.  I. Develop coordinated online interactive mapping and marketing for LEG trails