

Date:

Participating Members:

Assessment Context:

**E-Act Informed by Data
3-Maintenance**

E.3.a – Infrastructure Maintenance

Element Description Infrastructure maintenance program informed by asset life cycle modeling and analysis.

Benchmark Level 0	Benchmark Level 1	Benchmark Level 2	Benchmark Level 3	Benchmark Level 4
No regular preventive or scheduled maintenance program.	Limited maintenance based on industry standards or norms.	Limited maintenance informed by life cycle analysis.	Regular maintenance programs with dedicated funding based on analysis of life cycle costs and benefits. Tracking of costs and benefits is established but may not yet be producing usable information.	Maintenance program is based on life cycle analysis with adjustments based on data-driven assessment of program costs and benefits, for example through asset-specific modeling or through incorporation of contracting and/or programming efficiencies.
Current: <input type="checkbox"/> Desired: <input type="checkbox"/>	Current: <input type="checkbox"/> Desired: <input type="checkbox"/>	Current: <input type="checkbox"/> Desired: <input type="checkbox"/>	Current: <input type="checkbox"/> Desired: <input type="checkbox"/>	Current: <input type="checkbox"/> Desired: <input type="checkbox"/>
<input type="checkbox"/> Document maintenance practices among peer agencies. Develop simple policy/guidance for field staff.	<input type="checkbox"/> Develop network screening protocol/tools that support identification of maintenance opportunities.	<input type="checkbox"/> Establish formal maintenance programs. Use life-cycle analysis to establish funding and targets and associated reporting.	<input type="checkbox"/> Expand/improve decision-making through collection of detailed performance and reliability information.	
<input type="checkbox"/> Develop simple check lists, time-based protocol, or other tools to improve proactive maintenance decisions.	<input type="checkbox"/> Promote awareness of maintenance expectations through targeted outreach and communication.	<input type="checkbox"/> Track and examine costs and benefits of preventive and other maintenance treatment alternatives.	<input type="checkbox"/> Track and examine benefits of strategies to improve programming efficiencies (e.g. coordinated investment across multiple assets or programs).	
<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	

Assessment Notes:

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Improvement Notes:

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