CBS Asset Management Program Briefing

City & Borough of Sitka
Asset Management Program
06/28/2022



Presentation Outline

Goals:

Highlight Program progress to-date and outline future initiatives, projects, and tasks



What is Asset Management for CBS?



Overview of Planning Phase



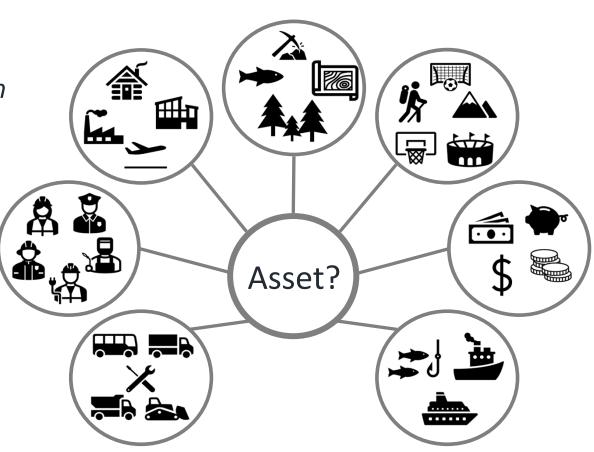
Overview of Execution Phase (To-Date)



Overview of Execution Phase (Future)

Asset Management is...

managing assets in a way that optimizes the balance between <u>risk</u>, <u>cost</u>, and <u>performance</u> to bring the best <u>value</u> to our community.



<u>Asset Management Utilizes Best Practice Guidance:</u>



ISO 55000, 55001, 55002 Standard for Asset Management



ISO 31000 Standard for Risk Management



IIMM – International Infrastructure Management Manual

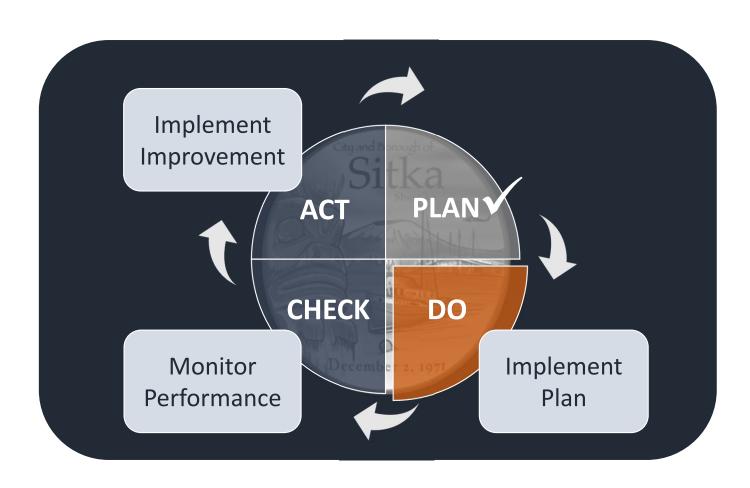


IAM – Institute of Asset Management



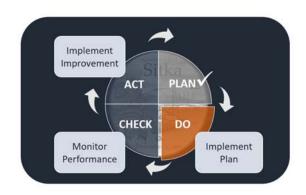
American Public Works Association – Public Works Management Practices

Defining "Asset Management" – PDCA Cycle

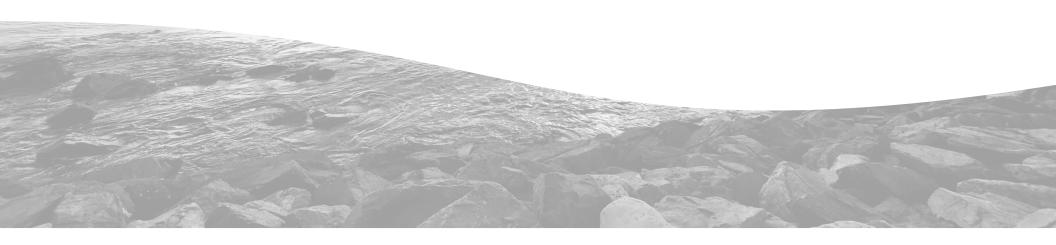


□Phase I – Planning

□ Phase II – Execution



□ Phase III – Monitoring and Continual Improvement



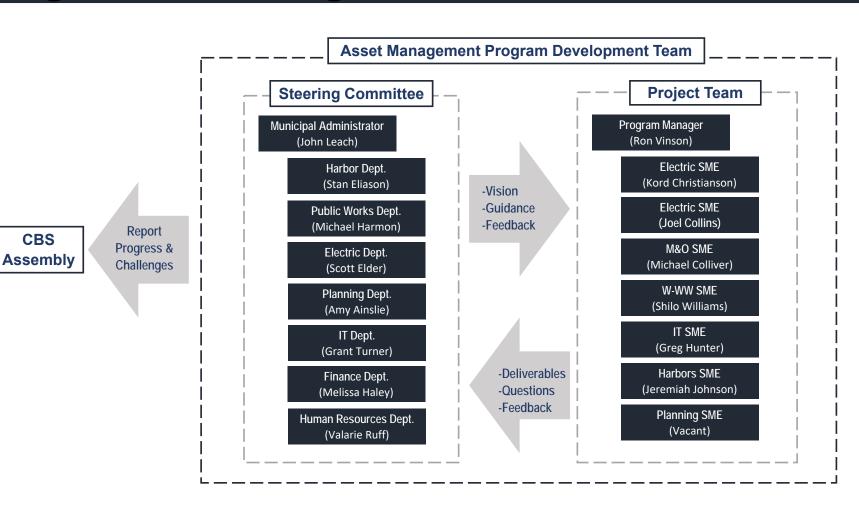
Planning Phase Overview

Planning Phase Overview

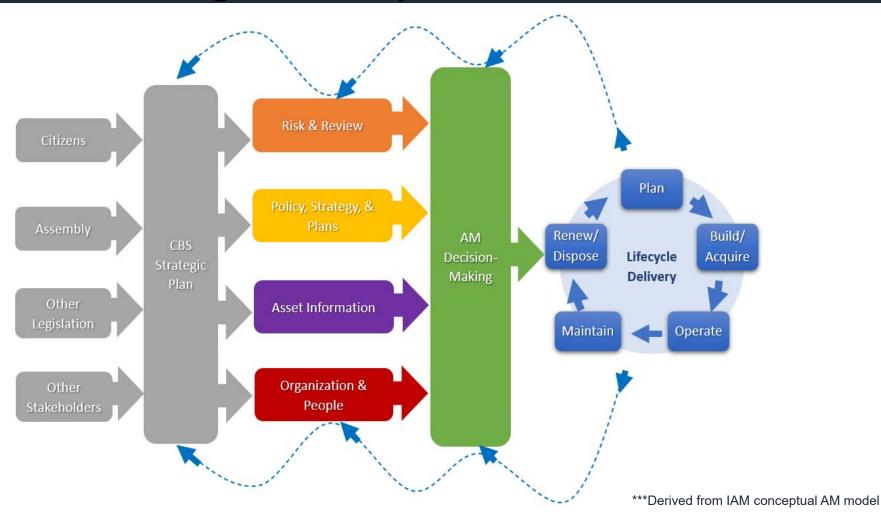
AM Program Development - Phase I (Planning)													
Task Description		20	21		2022								
	Nov.		Dec.		Jan.		Feb.		March		Ap	ril	
✓ AM Kickoff													
✓ Program Charter													
✓ Info. Mgmt. Policy/Strategy													
✓ Maturity Assessment													
✓ Implementation Plan													
Strategic Planning (non-AM)													

Completed AM Task

Defining "Asset Management" - Communication



CBS Asset Management System



AM System Subject Area Groups

Group 1 – Strategy & Planning

- 1. Asset Management Policy
- Asset Management Strategy & Objectives
- 3. Demand Analysis
- 4. Strategic Planning
- 5. Asset Management Planning

Group 3 – Lifecycle Delivery

- 11. Technical Standards & Legislation
- 12. Asset Creation & Acquisition
- 13. Systems Engineering
- 14. Configuration Management
- 15. Maintenance Delivery
- 16. Reliability Engineering
- 17. Asset Operations
- 18. Resource Management
- 19. Shutdown and Outage Management
- 20. Fault & Incident Response
- 21. Asset Decommissioning and disposal

Group 2 – AM Decision-Making

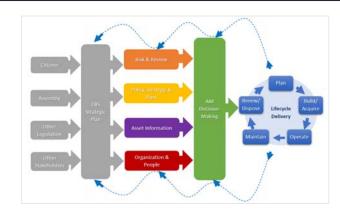
- 6. Capital Investment Decision Making
- 7. Operations & Maintenance Decision Making
- 8. Life Cycle Value Realization
- 9. Resourcing Strategy
- 10. Shutdowns & Outage Strategy

Group 4 – Asset Information

- 22. Asset Information Strategy
- 23. Asset Information Management
- 24. Asset Information Systems
- 25. Data & Information

Group 5 – Organization & People

- 26. Procurement & Supply Chain Management
- 27. Asset Information Leadership
- 28. Organizational Structure
- 29. Organizational Culture
- 30. Competence Management



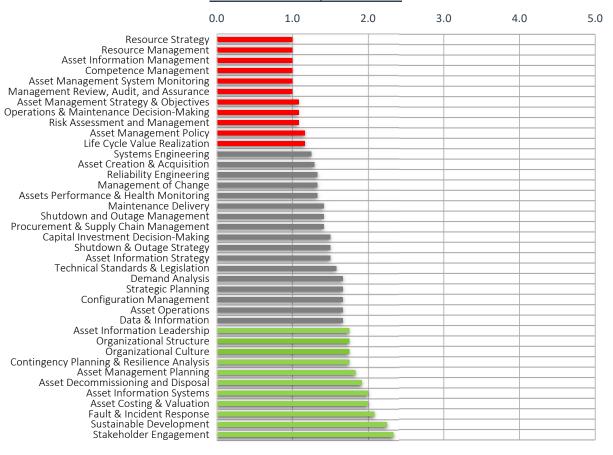
Group 6 – Risk & Review

- 31. Risk Assessment and Management
- 32. Contingency Planning & Resilience Analysis
- 33. Sustainable Development
- 34. Management of Change
- 35. Assets Performance & Health Monitoring
- 36. Asset Management System Monitoring
- 37. Management Review, Audit, and Assurance
- 38. Asset Costing & Valuation
- 39. Stakeholder Engagement

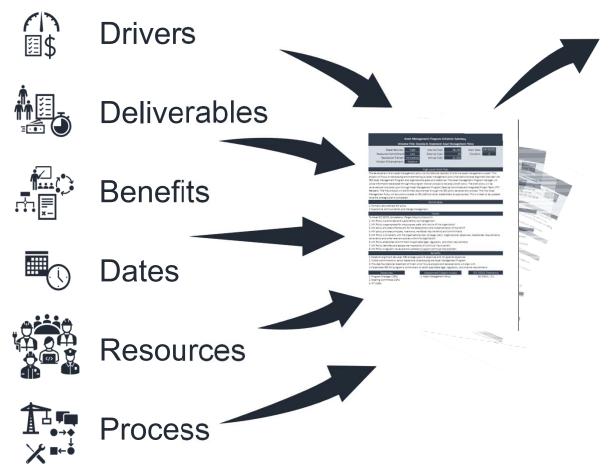
Maturity Assessment Summary

1.0 Resource Management 1.0 Asset Information Management 1.0 1.0 1.0 1.0 1.1 Risk Assessment and Management 1.1 Asset Management Policy 1.2 ifecycle Value Realization 1.2 Asset Management Leadership 1.8 Organizational Structure 1.8 **Organizational Culture** 1.8 Contingency Planning & Resilience Analysis 1.8 **Asset Management Planning** 1.8 Asset Decommissioning and Disposal 1.9 **Asset Information Systems** 2.0 Asset Costing & Valuation 2.0 Fault & Incident Response 2.1 Sustainable Development 2.3 Stakeholder Engagement 2.3

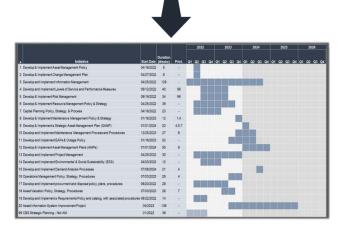
2022 AM Maturity Assessment



Phase II – Implementation Planning



	Dependency Rating
High	>5 Successor Projects
Medium	<5 Successor Projects
Low	No Successors
	Resource Commitment
High	>500 hours of internal resourcing time
Medium	>250 and <500 hours of internal resourcing time
Low	<=250 hours of internal resourcing time
	Realization Period
Years	Benefits realized a year, or more after the project completion
Months	Benefits realized within 1 to 12 months of the project completion
Immediate	Benefits realized immediately following the project completion
	Mission Enhancement
High	Major
Medium	Moderate
Low	Minimal



Phase II – Execution

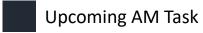
					2022			2023			2024				2025				2026			
Initiative		Duration (Weeks)	Pred.	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3 Q4
1 Develop & Implement Asset Management Policy	04/18/2022	5	-																			
2 Develop & Implement Change Management Plan	04/27/2022	8	-																			
3 Develop and Implement Information Management	04/25/2022	129	-																			
4 Develop and Implement Levels of Service and Performance Measures	09/12/2022	40	99																			
5 Develop & Implement Risk Management	09/19/2022	34	99																			
6 Develop & Implement Resource Management Policy & Strategy	04/25/2022	39	-																			
7 Capital Planning Policy, Strategy, & Process	04/18/2022	23	-																			
8 Develop & Implement Maintenance Management Policy & Strategy	01/16/2023	12	1,4																			
9 Develop & Implement a Strategic Asset Management Plan (SAMP)	01/01/2024	20	4,5,7																			
10 Develop and Implement Maintenance Management Process and Procedures	12/25/2023	27	8																			
11 Develop and Implement EAPs & Outage Policy	01/16/2023	52	-																			
12 Develop & Implement Asset Management Plans (AMPs)	01/01/2024	. 55	9																			
13 Develop and Implement Project Management	04/25/2022	30	-																			
14 Develop and Implement Environmental & Social Sustainability (ESS)	04/03/2023	12	-																			
15 Develop and Implement Demand Analysis Processes	07/08/2024	21	4																			
16 Operations Management Policy, Strategy, Procedures	07/03/2023	26	4																			
17 Develop and Implement procurment and disposal policy, plans, procedures	06/20/2022	28	-																			
18 Asset Valuation Policy, Strategy, Procedures	07/03/2023	26	7																			
19 Develop and Implement a Requirements Policy and catalog, with associated procedures	08/22/2022	30	-																			
20 Asset Information System Improvement Project	04/2023	136	-																			
99 CBS Strategic Planning - Not AM	01/2022	39	-																			

Execution Phase Overview (To-Date)

Execution Phase Overview (To Date)

AM Program Development - Phase II (Execution)														
Initiative Description	2022													
	April		May	Ju	ne	July		August		Septe	mber			
✓ #1 – AM Policy														
✓ #2 – Stakeholder Engagement														
#3 – Information Management														
#6 – Resource Management														
#7 – Capital Planning														
#13 – Project Management														
#17 – Procurement & Disposal														

Completed AM Task



Execution Phase Overview (Future)

Execution Phase Overview (Future)

AM Program Development - Phase II (Execution)													
Initiative Description	20	22		20	23			20	2025				
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	
#4 - Levels of Service & KPIs													
#5 - Risk Management													
#8 – Maintenance Mgmt. Policy													
#9 – Strategic AM Plan													
#10 – Maintenance Mgmt. Strategy/Proc.													
#11 – Emergency Action Plans													
#12 – Tactical AM Plans													
#14 – Enviro & Social Sustainability													
#15 – Demand Analysis Process													
#16 – Operations Mgmt. Policy													
#18 – Valuation Policy & Procures													
#20 – AM Information Systems													



