

# City of Fort Worth TPW Asset Management “The Road Ahead”

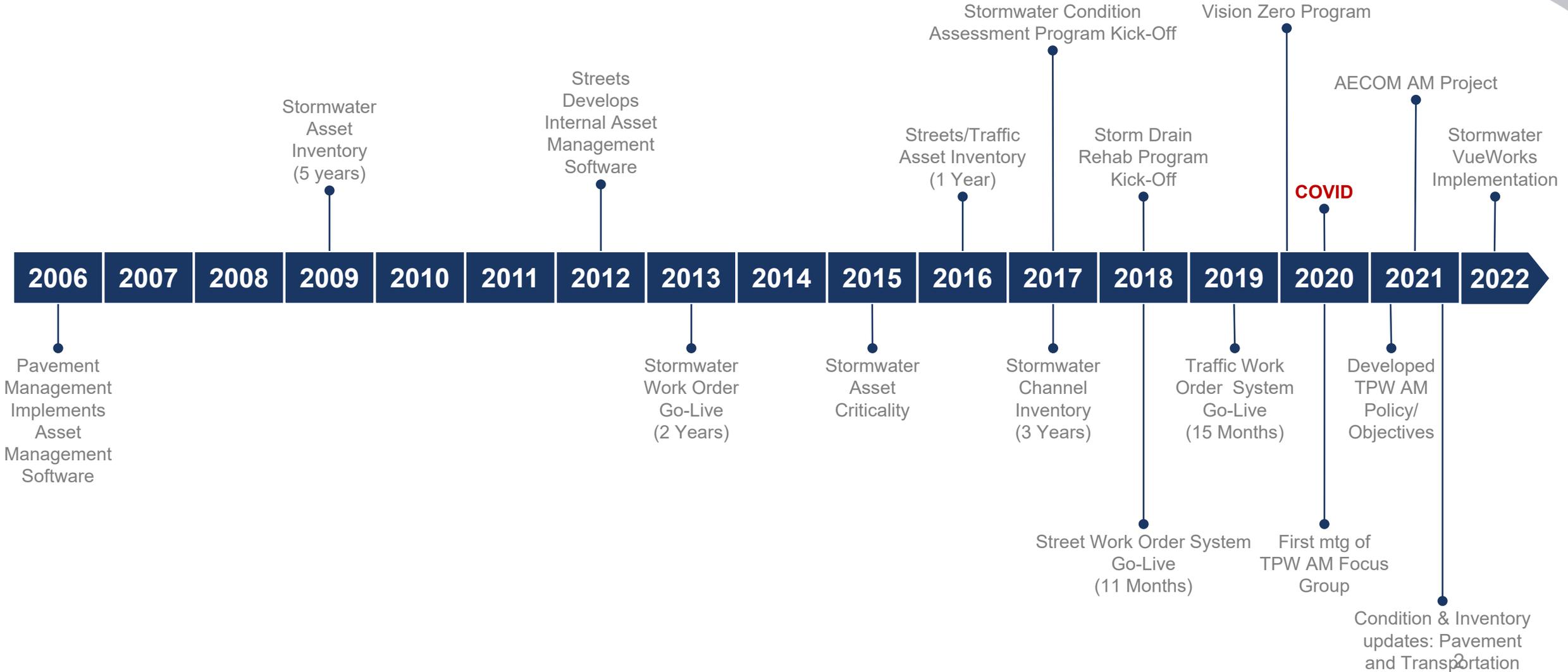
Presented by:  
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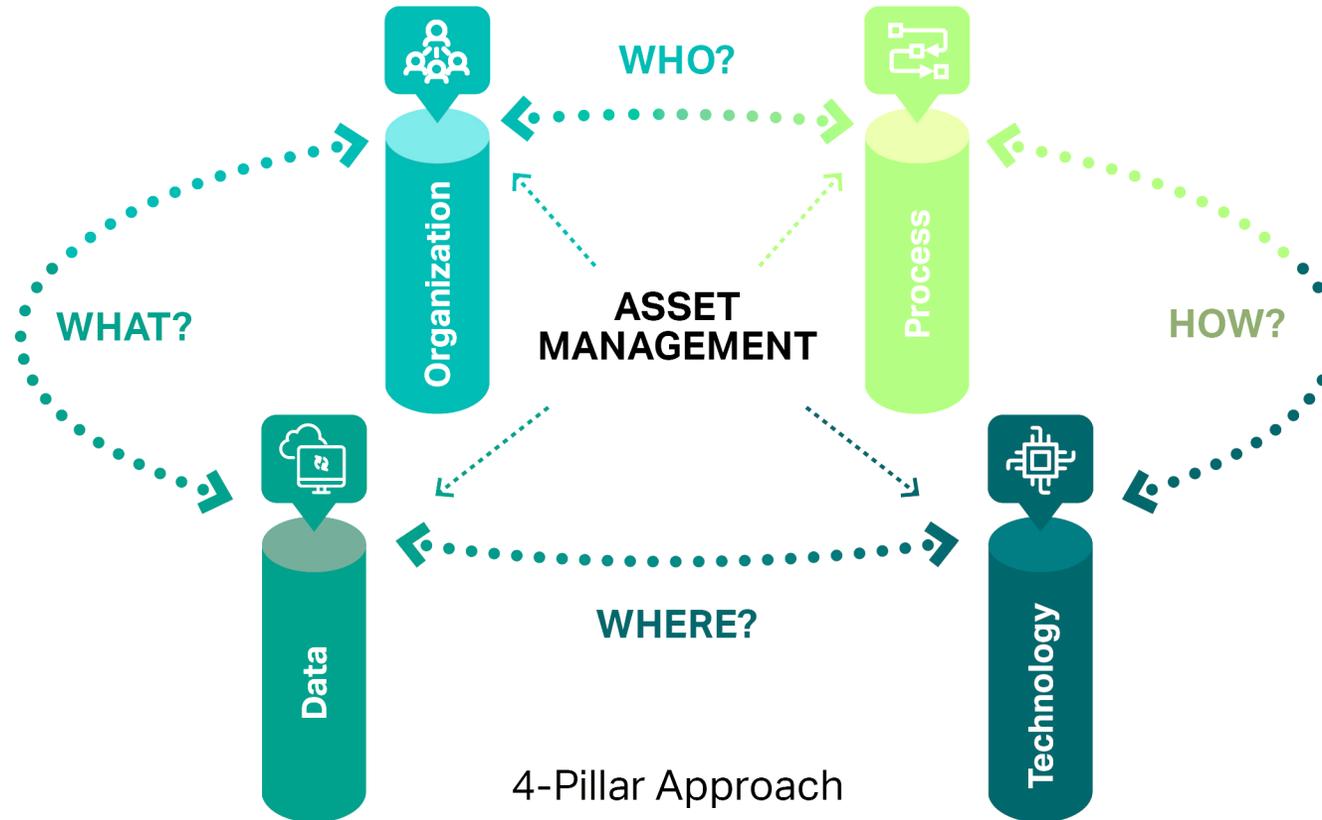


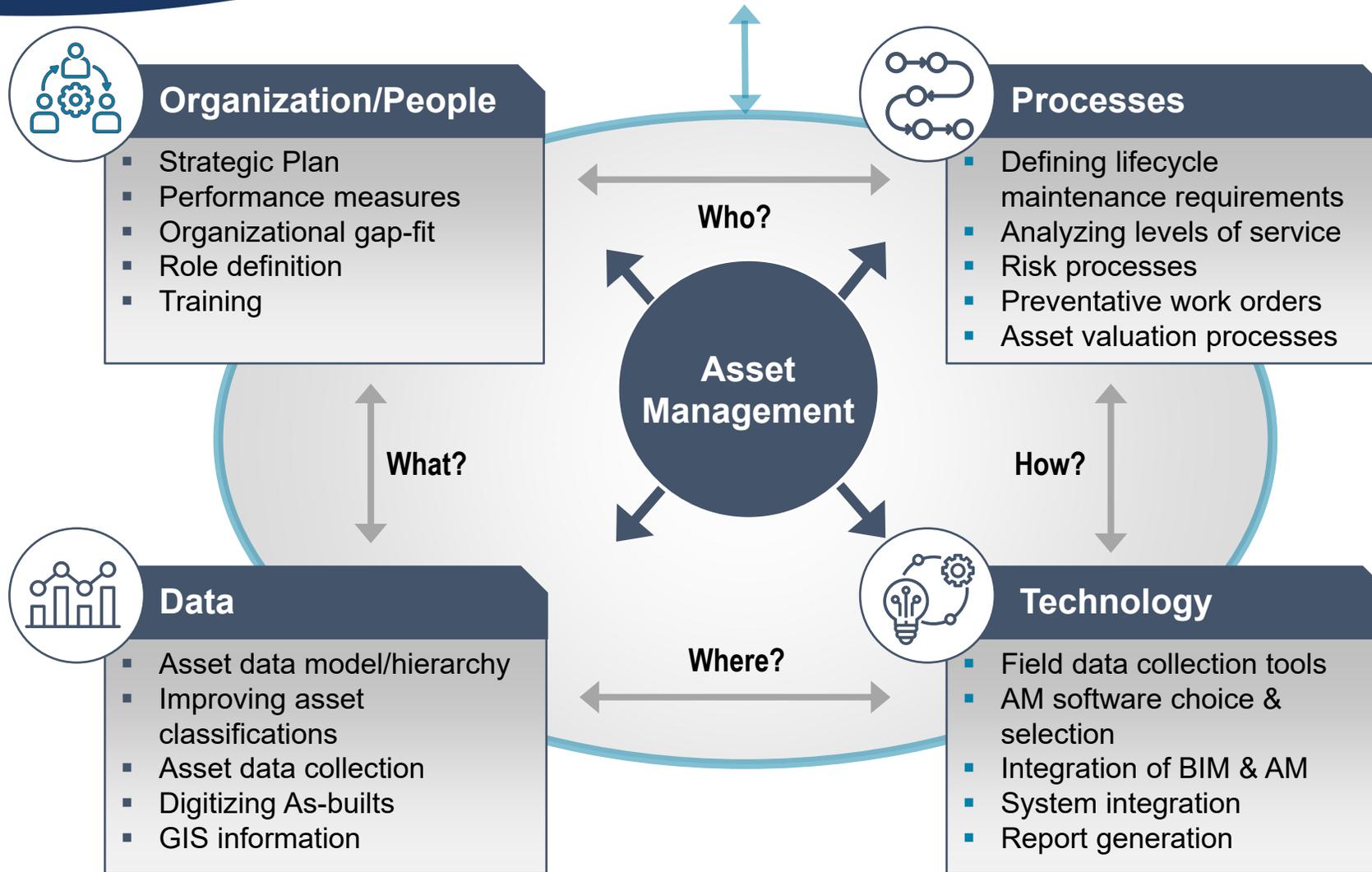
September 13, 2022

# Asset Management Timeline in TPW

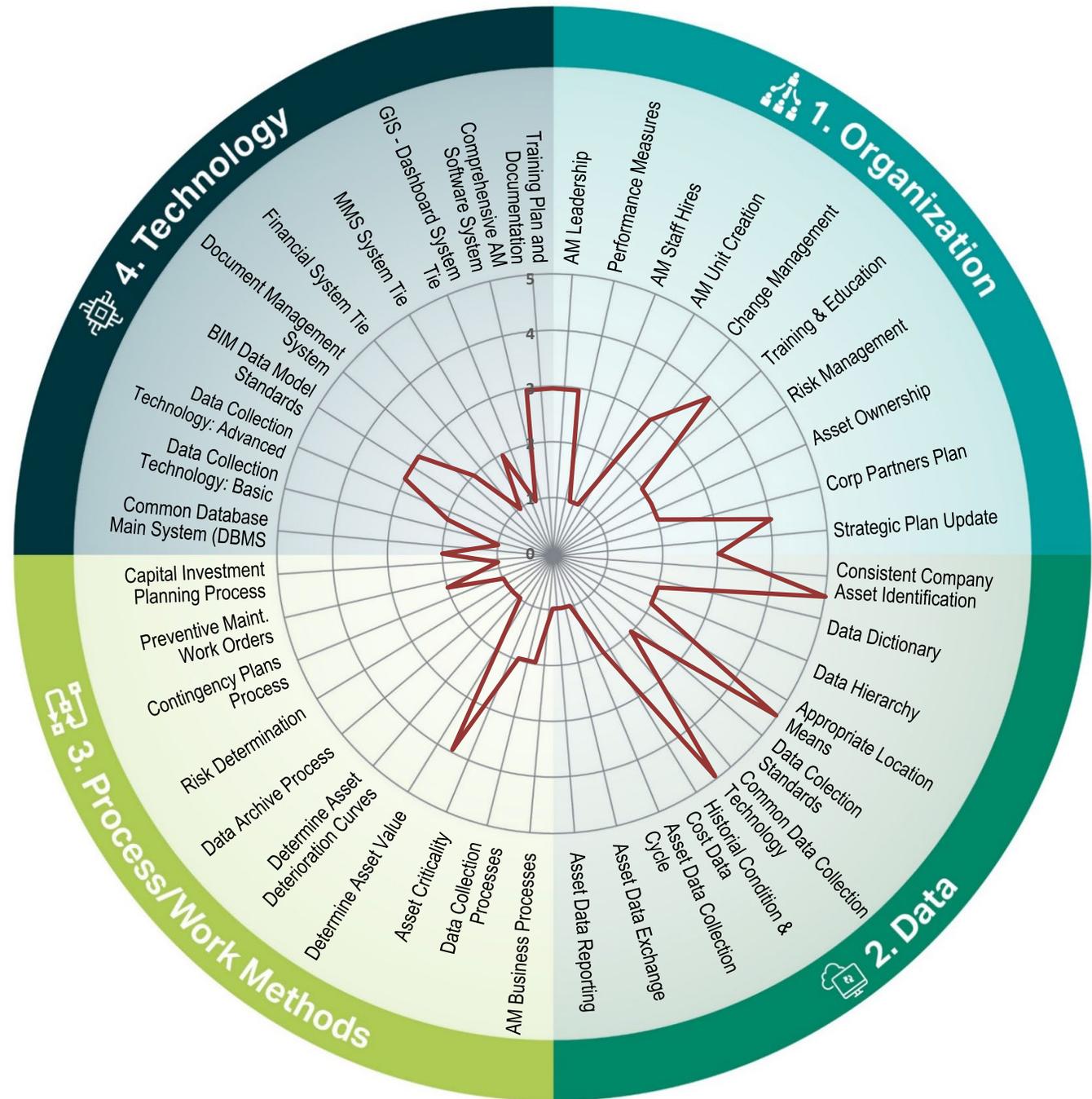


# TPW's Process





# Gap Analysis



# 5 YEAR AM ROADMAP

\*Actions to be taken by TPW internally

Domain Name		Score	YEAR 0 FY 2022 Prop Actions	Score	YEAR 1 FY 2023 Prop Actions	Score	YEAR 2 FY 2024 Prop Actions	Score	YEAR 3 FY 2025 Prop Actions	Score	YEAR 4 FY 2026 Prop Actions	Score	YEAR 5 FY 2027 Prop Actions
Organizational	1.1 AM leadership	3	Identifying key role within department and technology leader*	3	Develop AM/Technology leader's roles and responsibilities*	4		4	Evaluate and refine roles and responsibilities	5		4	
	1.2 Performance Measures	2	Top level discussions	2		2	Create top 5 strategic PM	3	Create top 10 strategic PM	4	Create top 15 strategic PM	4	Create top 25 strategic PM
	1.3 Staffing	1	Draft 2 staffing requisitions*	1	Post and obtain 2 GIS positions pending approval. Keep evaluating staffing level and needs*	2	Evaluate resource needs*	3	Evaluate resource needs*	4	Evaluate resource needs*	4	Evaluate resource needs*
	1.4 AM Unit Creation (virtual or 'real')	1	Drafting Organizational AM Chart	1		1	Draft AM virtual unit description	2	Formalize virtual unit	3	Establish formal unit with policy and procedures*	4	
	1.5 Change Management	2	Initiate AM Strategic Plan	2		2		2	Conduct CM review exercise	3	Implement CM recs	4	Conduct CM exercise
	1.6 Education & Training	4	Hosted workshops	5	Develop high-level training program with further documentation*	5	Implement high-level training program	5	Continuing Education	5	Continuing Education	4	Continuing Education
	1.7 Risk Management	2		2		2	Develop divisional level risk framework	3	Implement Risk framework	4		4	Dept level Risk exercise
	1.8 Asset Ownership	3	Developing asset ownership org chart & capabilities chart	3	Create lookup table	4	Further asset ownership	5	Update lookup table	5	Further asset ownership	4	Further asset ownership
	1.9 Corporate Partners	2		2	Framework	2	Identify potential partners	3	Framework	4	Layout simple strategy	4	Implement strategy
	1.10 Strategic Plan Update	4	Creating Strategic Plan	4	Complete initial SP & gain consensus	5	Provide additional detail to pertinent sections of Strategic Plan	5	Evaluate & update Strategic Plan	4	Evaluate & update Strategic Plan	4	Full update SP
Data	2.1 Asset ID	5		5		5	Verify & further document	5		5		5	
	2.2 Data dictionary	4		4		4	Verify & further document	5		5		5	
	2.3 Data Hierarchy	2		2		2	Exercise to review	3		3		3	
	2.4 Location	4		4		4	Verify & further document	5		5		5	
	2.5 Data Collection standards	4		4		4	Formalize & further document	5		5		5	
	2.6 Data collection technology (exist)	5		5		4	Formalize & further document	5		5		5	
	2.7 Historical Condition & cost	3		3		3	Example to research	4	Example to data bank/mine	5		5	
	2.8 Data collection cycle	2		2		2	Detailed study	3	Adopt standard schedule*	3		3	
	2.9 Asset data exchange	1		1		1	Study w/partners	2	Data interchange standards	3		3	
	2.10 Asset data reporting	1		1	Develop inventory dashboard	2	Improve reports/dashboards	3	Improve reports/dashboards	4	Update & improve reports/dashboards	5	
Business Processes	3.1 AM Business Processes	1	Identify BMP	1		1	Adopt protocols & standards*	2	Map out processes	3		3	
	3.2 Data Collection (DC) Processes	3	Research Data Collection Standards	3		3	Draft data collection standards	4	Trial standards	5	More formally adopt	5	
	3.3 Asset Criticality	2		2		2	Extend corp framework	3	Trial & test framework	4	More formally adopt	5	
	3.4 Determine Asset Value	1	Identify current processes	1	Agree asset valuation method	2	Trial & test framework	3	More formally adopt	4		4	
	3.5 Determine Asset Deterioration Curves (DC)	1		1		1	Review/borrow deterioration curves methods from other agencies	2	Trial & test framework	3	More formally adopt	4	
	3.6 Data Archive Process	1		1		1	Agree DA process	2	Trial & test framework	3	More formally adopt	4	
	3.7 Risk Determination	3		3		3	Agree wider RD process	4	Trial & test framework	5	More formally adopt	5	
	3.8 Contingency Plan Process	1	Ad-hoc meetings*	1		1	Agree wider CPP process	2	Trial & test framework	3	More formally adopt	4	
	3.9 Preventative Maintenance WO's	3	Develop report on WO's	3		3	Agree wider PWO processes	4	Trial & test framework	5	More formally adopt	5	
	3.10 Capital Investment Planning (CIP)	1		1	Agree wider CIP process	2	Trial & test framework	3	More formally adopt	4		4	
Technology	4.1 Common DBMS	3		3	Document DBMS standards & procedures	4		4		4		4	
	4.2 Data Collection Technology: Basic	3		3	Document & record procedures	4	Adopt new standards*	5		5		5	
	4.3 Data Collection Technology: Adv.	3		3		3		3	Doc & rec procedures	4	Adopt new standards*	4	
	4.4 BIM Data Model standards	1		1		1		1	Doc & rec procedures	2	Adopt new standards*	3	Improve standards
	4.5 Document Management System	2	Research Vendors	2		2	Study & record	3	Adopt new standards*	4		3	
	4.6 Financial System Tie	1		1		1	Determine data move	2	Design interfaces	3	Install interfaces	4	
	4.7 MMS System Tie	2		2		2	Study MMS/Peoplesoft	3	Design interfaces	4	Install interfaces	5	
	4.8 GIS-Dashboard System Tie	1	Research Vendors	1	System Update	1	Develop requirements	2	Design & setup	3	Refine	4	
	4.9 AM Software System	4		4	System Update	4	Continue support & refine	5	Continue support & refine	5	Continue support & refine	5	Continue support & refine
	4.10 Training & Educ. Plan & Doc.	2		2	Develop technology & education training plan	3	Implement technology & education training plan	4	Continue training & education	5	Continue training & education	5	Continue training & education

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# Progress to Date



**17** Workshops

**34** Weekly  
catchup meetings

**4** Focus group meetings

**1** Consensus  
Building Workshop

**1** Final Executive Meeting

Project Duration

**12** months



**40** processes  
road mapped

## Priority

Asset Valuation

Staff Hires

Preventative  
Maintenance Work  
Orders

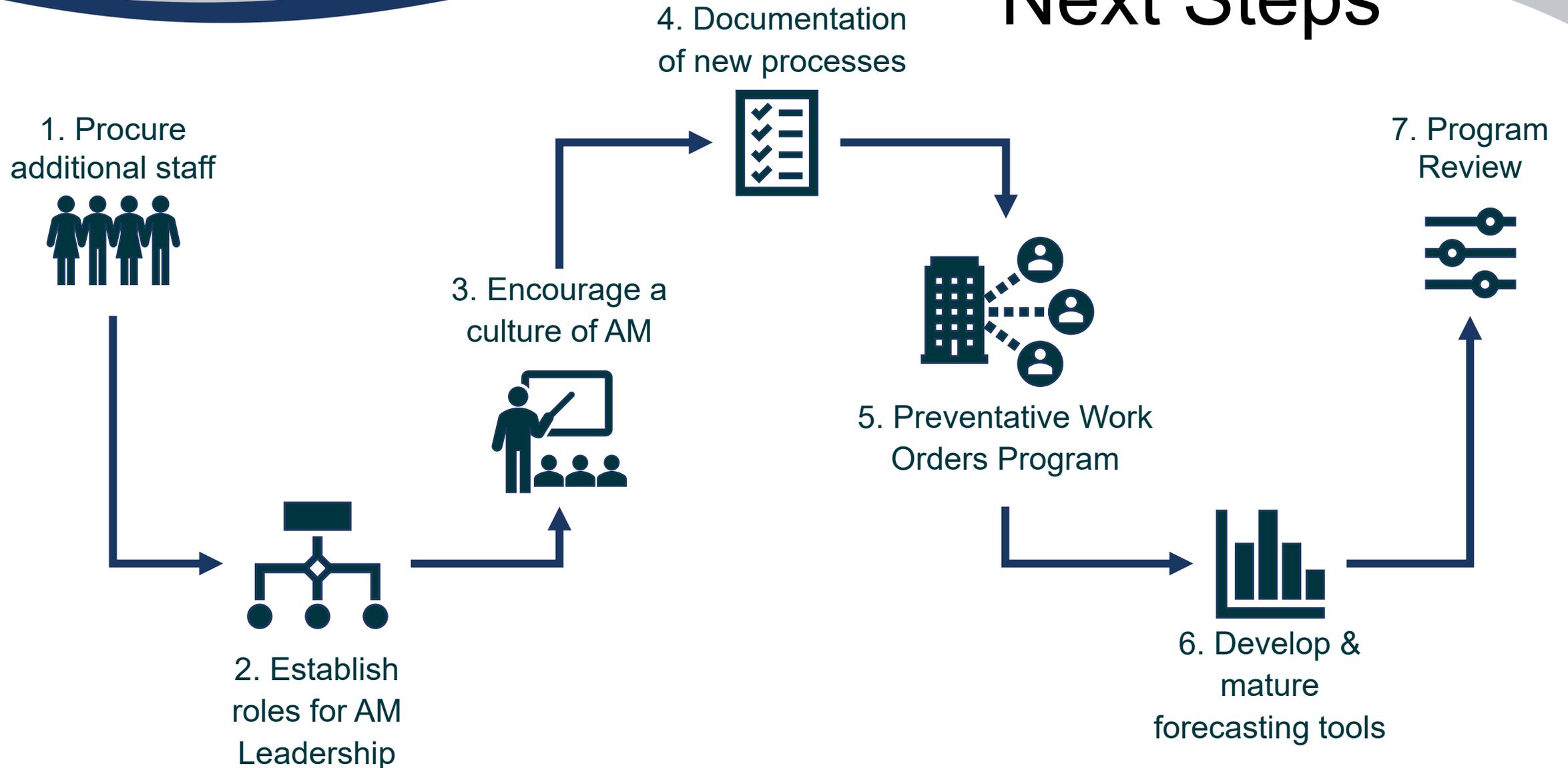


Recognized department  
deficiencies for  
**Improvement**



**Educated**  
in scientific/data run process  
for AM

# Next Steps



# Agency Support



Hire staff

Prioritize and support maturing the asset management program



Resources for planned efforts/projects



**Questions?**

# Thank you!

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