Corporate Asset Management Project

Asset Management Update

ROCKY VIEW COUNTY

Agenda

- Progressing Assessment Results
- Current Work Underway
- Questions

AM Assessment Results

AM Practice : Rocky View 2024 Assessment

Radar chart with axes: Leadership and Commitment (1.6), Financial Capacity (2.5), Know Your Assets (2.0), Know Your Financial Situation (1.5), Understand Decision-Making (1.4), Manage Asset Lifecycle (1.7), Know the Rules (2.3), Monitor Sustainability (1.7). Scale 0.0 to 4.0.

Legend: Current AM Assessment, Asset Management Target

ROCKY VIEW COUNTY

Progress Update

Know Your Assets

❖Asset Registers for 7 identified service areas

❖Consolidated existing asset inventories

❖29 Asset Registers, all consistently formatted

Know Your Financial Situation

❖Typical lifespans for each asset are recorded in inventory

❖Typical replacement unit cost rates for each asset type is recorded in each inventory

Manage Asset Lifecycle

❖Condition of assets are known (physical where known or assumed on typical lifespan)

❖Condition ratings are recorded in a database

Leadership and Commitment

❖List of current datasets, software, and tools being used by each department or asset group. (Data Governance)

ROCKY VIEW
COUNTY

Progress Update

Key Parameters

❖ Technical memo outlining assumptions

❖ Determine Unit Replacement Costs & End of Useful Life (EUL)

Analysis & Reporting

❖ Analysis and calculations in Power BI

❖ Generate dashboards summarizing all key information (current state & capital renewal forecast)

Final Product

❖ Feedback from service areas to ensure the tool has all necessary functionalities

ROCKY VIEW COUNTY

State of Infrastructure (SOI) Analysis

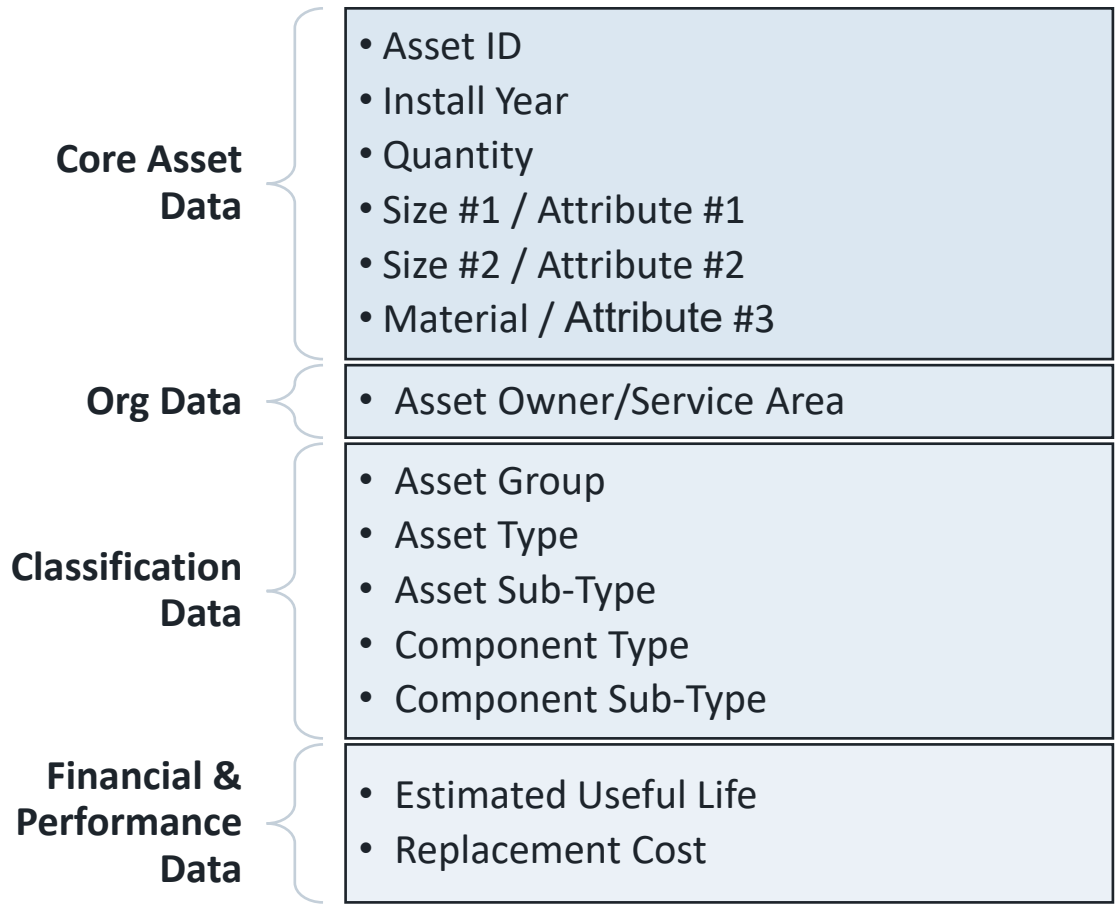**State of Infrastructure analysis outputs rely on reliable and accurate asset data.**

Data gaps are being addressed through:

❖As-builts review

❖Spatial analysis

❖Assumptions on EULs and Replacement Costs

Some assets were **excluded from analysis** due to lack of information to make reasonable assumptions.

Asset registers set up in a way that makes it simple to update and input data as well as assumptions.

Core Asset Data
- Asset ID
- Install Year
- Quantity
- Size #1 / Attribute #1
- Size #2 / Attribute #2
- Material / Attribute #3

Org Data
- Asset Owner/Service Area

Classification Data
- Asset Group
- Asset Type
- Asset Sub-Type
- Component Type
- Component Sub-Type

Financial & Performance Data
- Estimated Useful Life
- Replacement Cost

State of Infrastructure Report
Last Refreshed: 9/26/2024 8:06:24 AM

Asset Summary
ATTACHMENT A: ASSET MANAGMENT UPDATE PRESENTATION

ROCKY VIEW COUNTY

Filter
D-1
Page 7 of 12

Number of Assets	Average Weighted EUL	Average Weighted Age	Average Weighted Condition	Total Asset Replacement Value
56,796	54	23	Good (2)	$2,236,385,000

Summarize By: **Asset Hierarchy** | **Division**

To drill through, select an Asset Group or a Division →
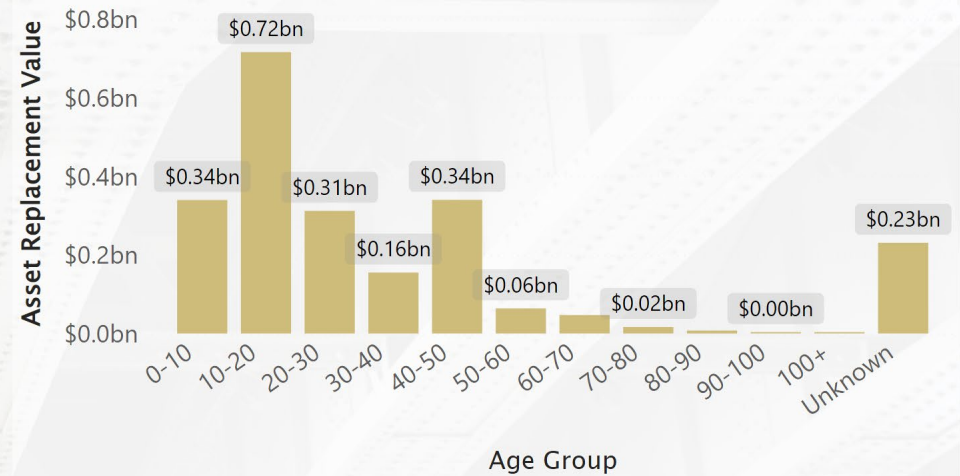
Asset Summary

Service | Group | Type	Asset Count	Quantity	Unit	Average Weighted EUL	Average Weighted Age	Average Weighted Condition	Replacement Value
Buildings	113			46	7	Very Good (1)	$6,074,000
Fleet	591	591	ea.	14	11	Fair (3)	$39,599,000
Municipal Lands	7,832			3	19	Unknown	$260,813,000
Sanitary	3,918			83	18	Very Good (1)	$254,074,000
Stormwater	4,286			85	11	Very Good (1)	$214,770,000
Transportation	26,933			32	33	Poor (4)	$821,386,000
Water	13,123			82	17	Good (2)	$639,669,000
Total	**56,796**			**54**	**23**	**Good (2)**	**$2,236,385,000**

Condition Profile

Legend: ● Very Good ● Good ● Fair ● Poor ● Very Poor ● Unknown

- $248M (11.08%)
- $719M (32.15%)
- $569M (25.43%)
- $504M (22.53%)
- $144M (6.46%)

Age Profile

Asset Replacement Value (bn) by Age Group:

- 0-10: $0.34bn
- 10-20: $0.72bn
- 20-30: $0.31bn
- 30-40: $0.16bn
- 40-50: $0.34bn
- 50-60: $0.06bn
- 60-70: (small)
- 70-80: $0.02bn
- 80-90: (small)
- 90-100: $0.00bn
- 100+: (small)
- Unknown: $0.23bn
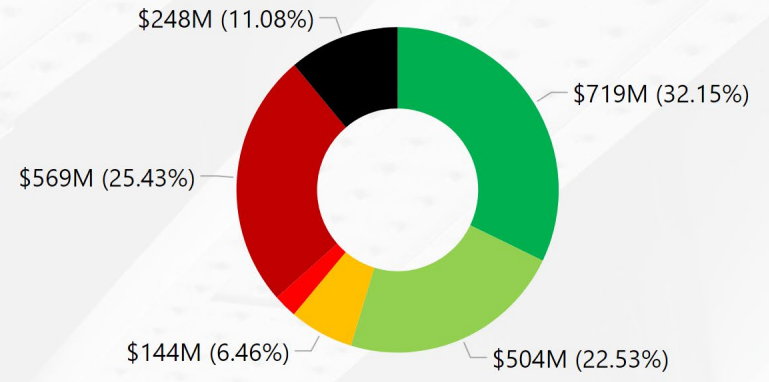
(SOI) Financial Forecast Analysis
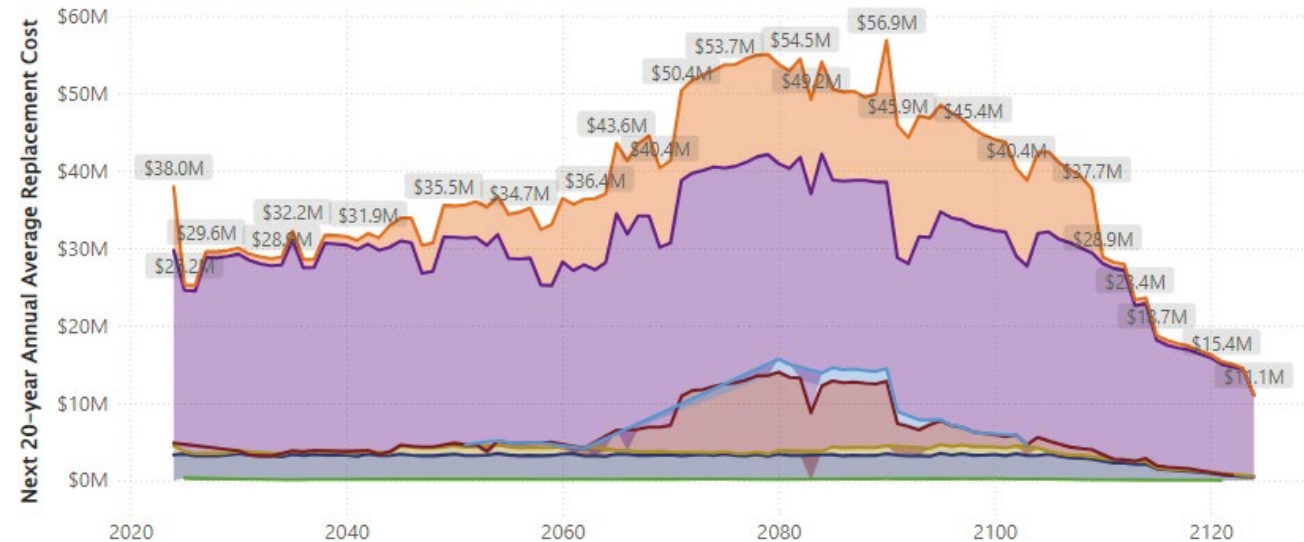
Capital Renewal Forecast

Capital Renewal Forecast is an unconstrained, needs-based forecast.

O&M forecasts are not included

To generate O&M forecasts, all lifecycle strategies need to be documented for different asset types.

State of Infrastructure Work Continues

Updating Conditions
- ❖ Updating assumptions based on feedback from service areas
- ❖ Updating Building Condition Assessment results
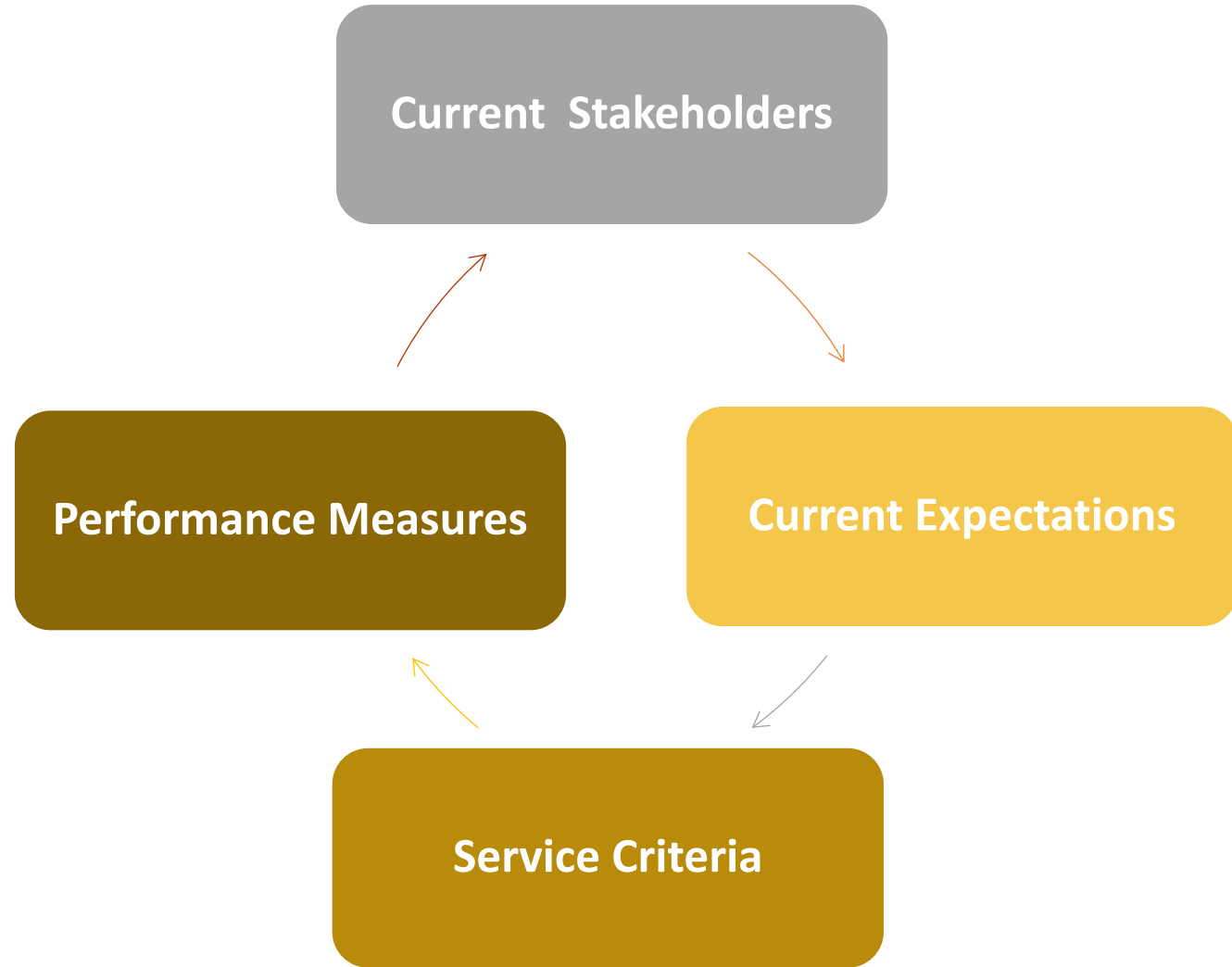
Analysis & Reporting
- ❖ Analysis and calculations in Power BI
- ❖ Generate dashboards summarizing all key information (current state & capital renewal forecast)
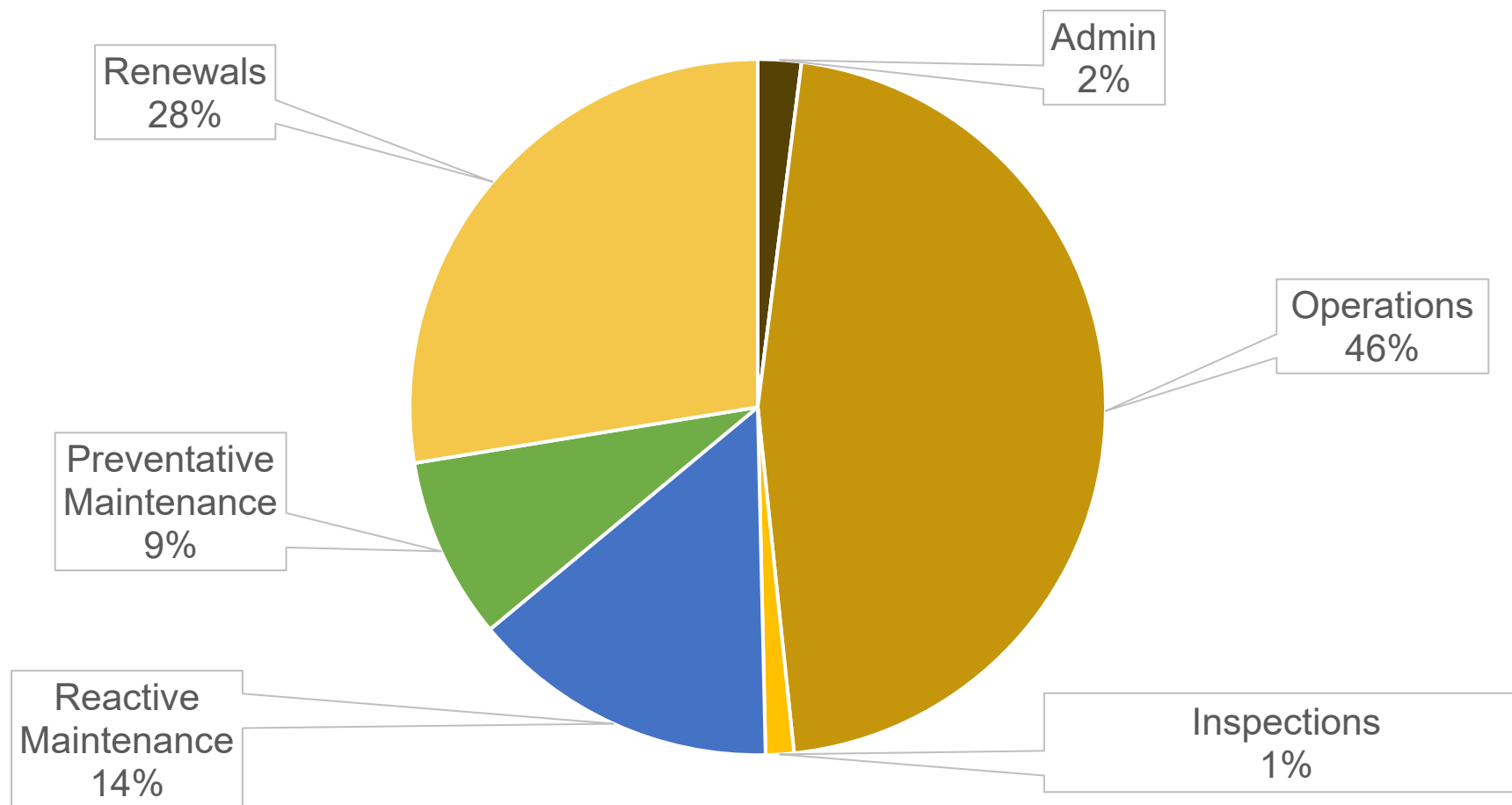
State of Infrastructure Tool
- ❖ Continuing to collect feedback to ensure the tool has all necessary functionalities

Asset Levels of Service

Costing Asset Lifecycle Activities: Transportation Example

Questions