Covington WATER DISTRICT

IMPROVING ASSET MANAGEMENT AND CREATING OPERATIONAL EFFICENICES.

Covington WATER DISTRICT



Dan Sleeth
Operations Manager



Chris Guest
Customer Service Supervisor

OUTLINE



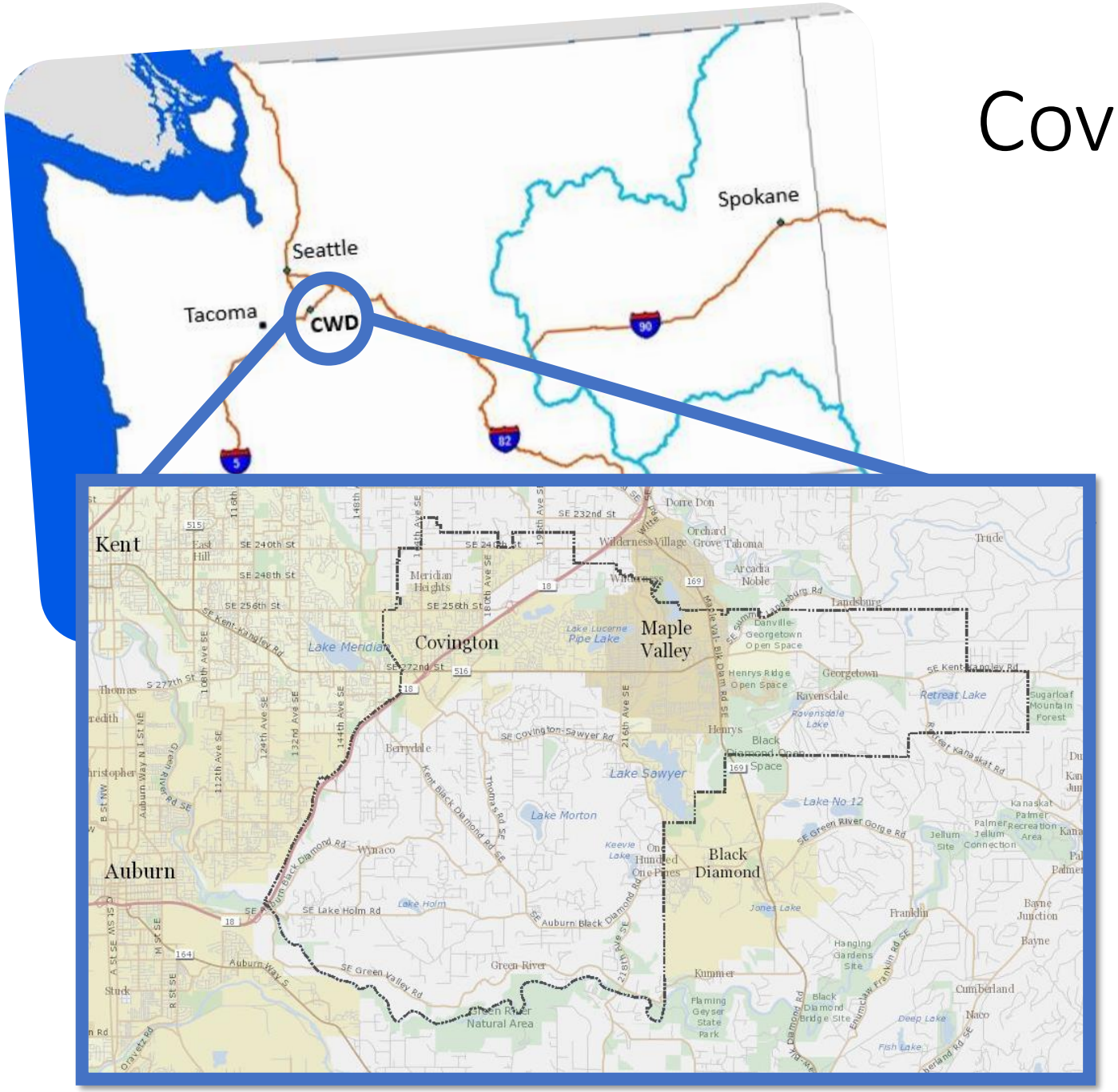
Provide a brief history of Covington Water District Asset Management journey



Discuss a management philosophy around Asset Management



Provide examples of how Covington Water District is leveraging our Asset Management tools and software to create efficiency and streamline processes.



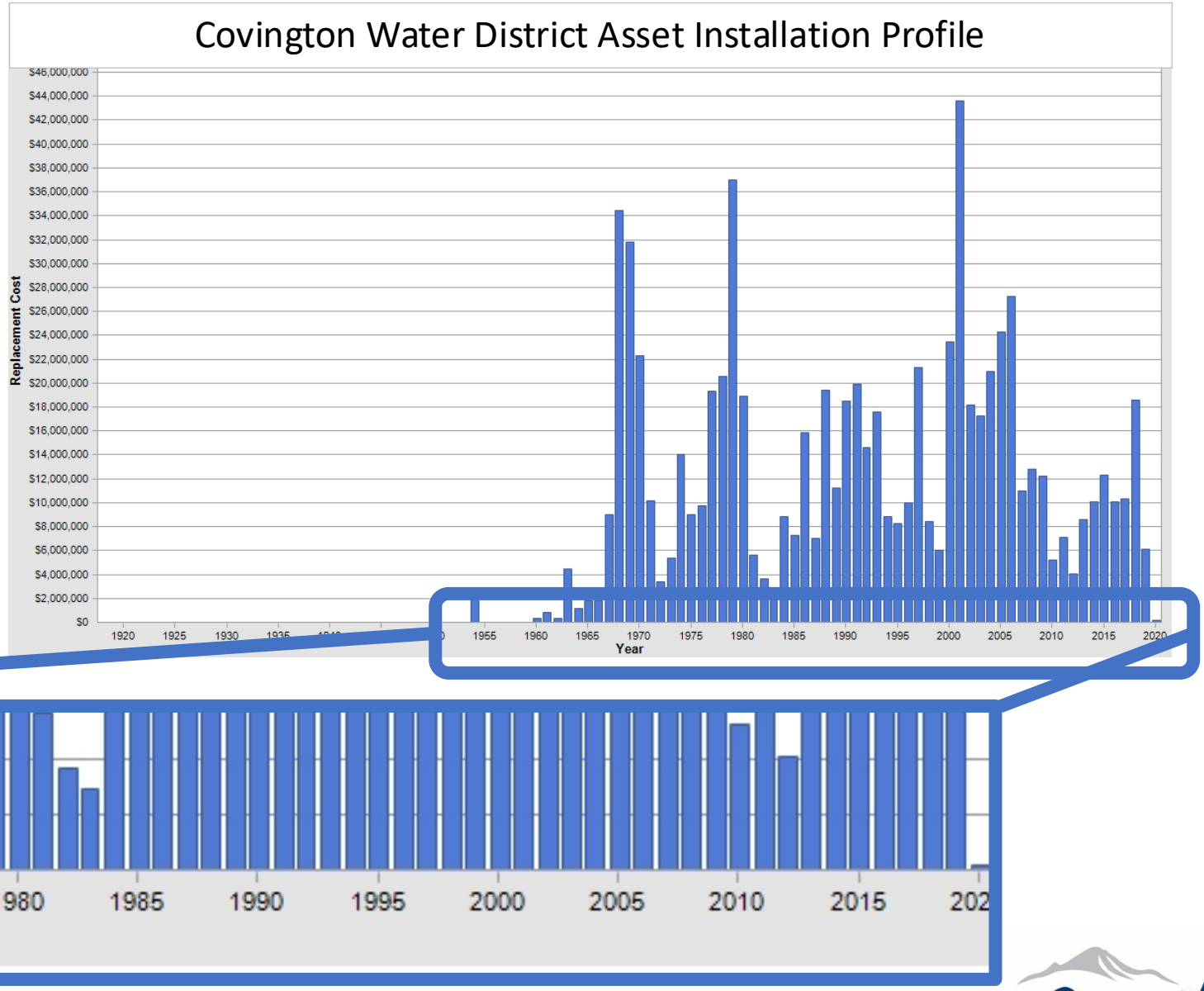
Covington Water District

- Founded in 1960
- Provide clean, safe and reliable water to a 55-mile area in South King County, serving a population of over 50,000 through 19,000+ connections
- Responsible for about 90,000 water assets, including 322 miles of transmission and distribution pipe.

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Our Mission:

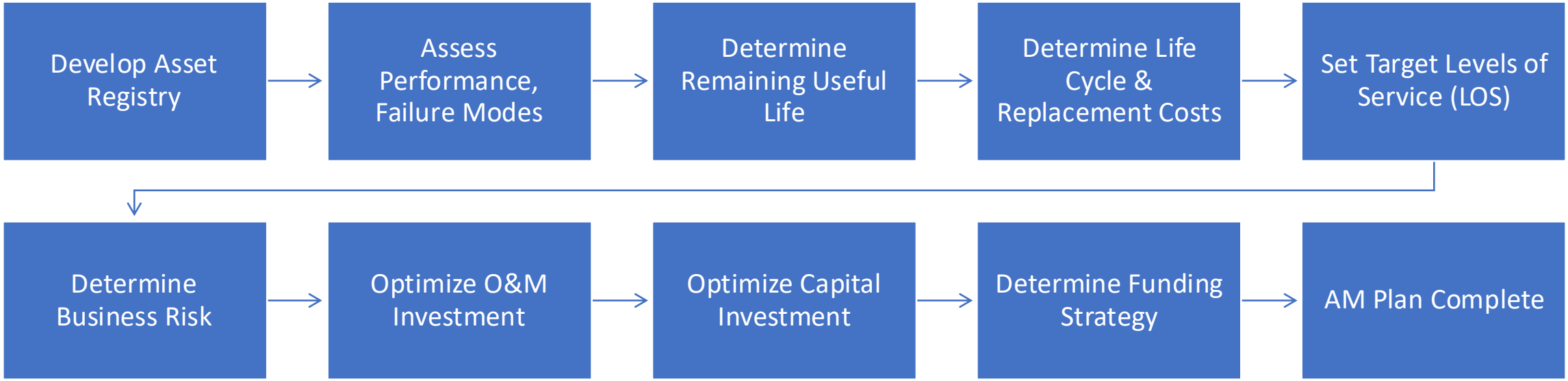
To serve quality water with excellent customer service, commitment to strategic and emergency planning, fiscal responsibility, regulatory compliance, stewardship and partnerships.



Asset Management Framework

1. What is the current state of our assets?

2. What is our required level of service?



3. Which assets are critical to sustained performance?

4. What are the best O&M and CIP investment strategies?

5. What is my best long-term funding strategy?

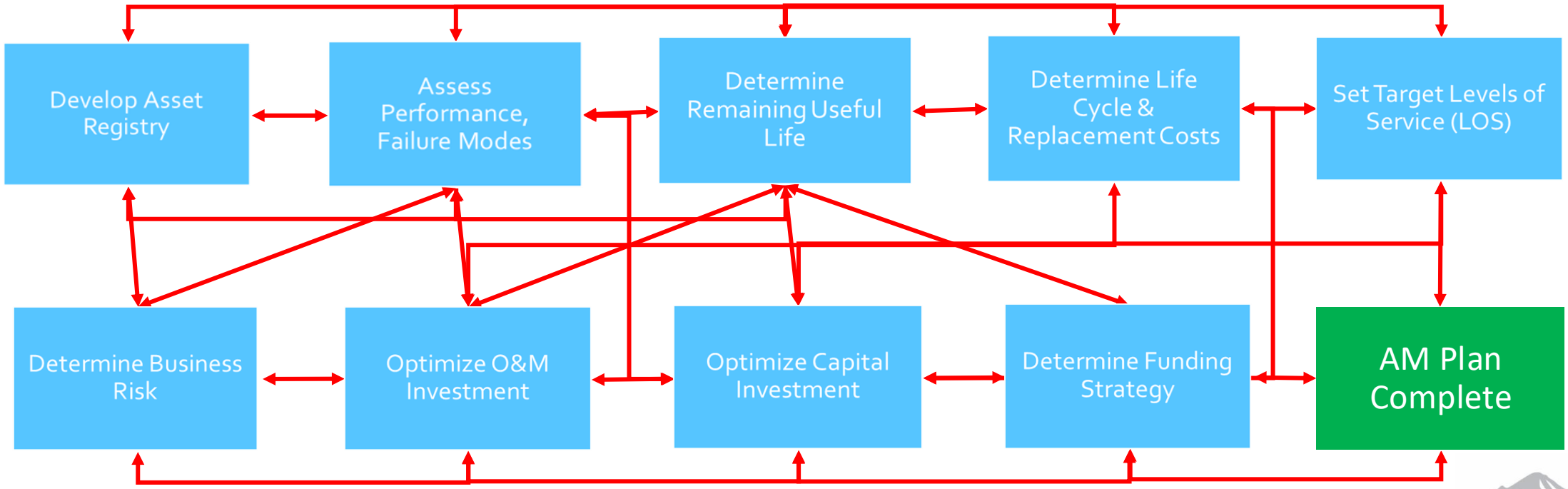
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Asset Management Framework

The path isn't always a straight line.

"No plan survives first impact"

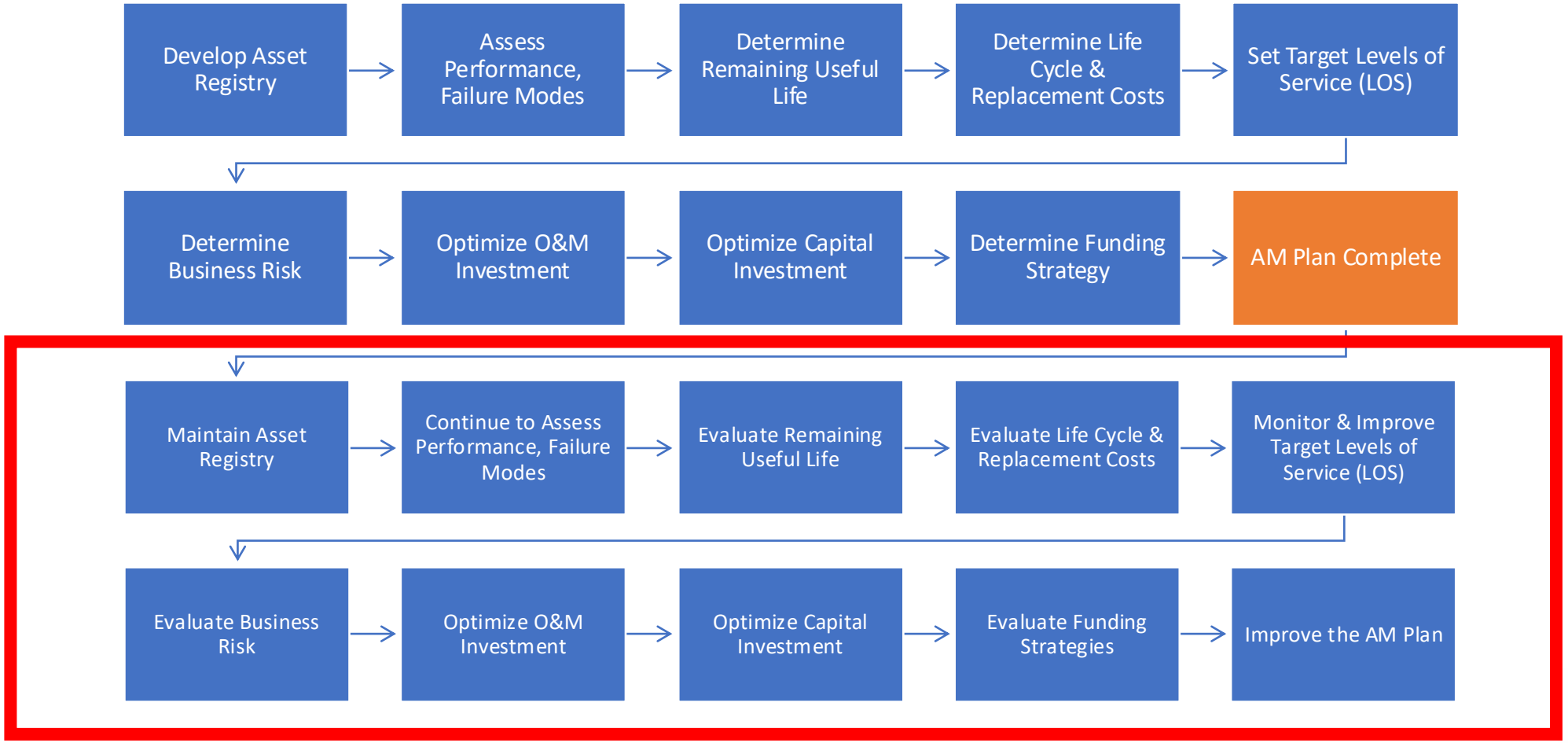




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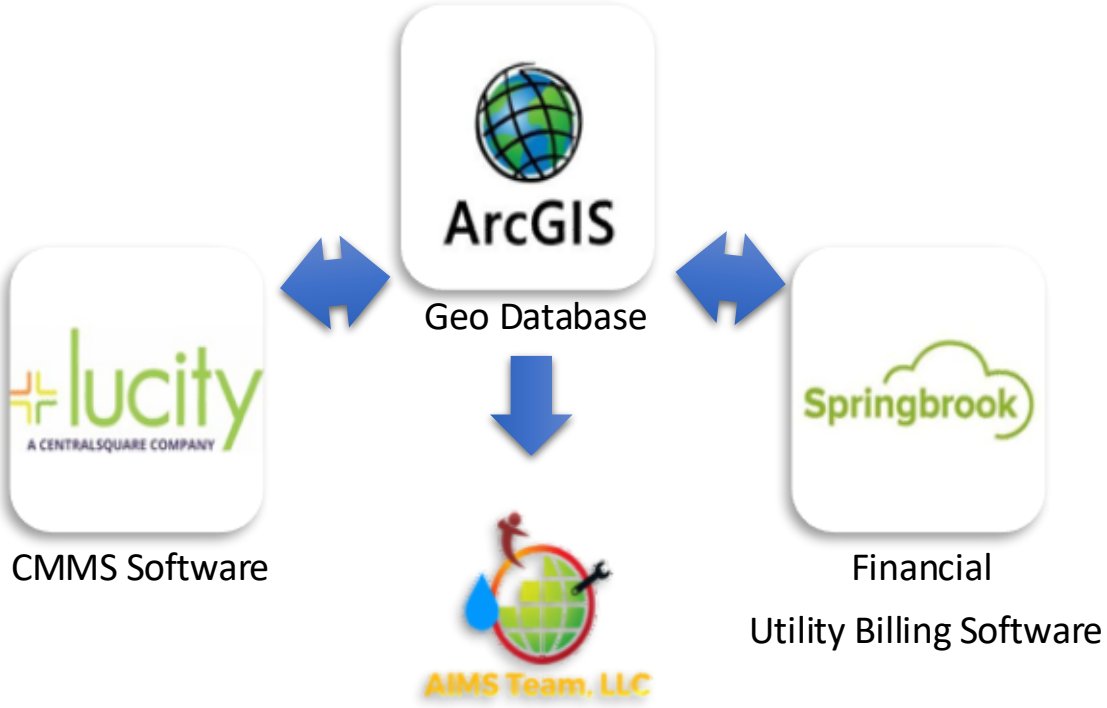
Asset Management Framework

The Next 10 Steps…



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How do we improve our Asset Management program?

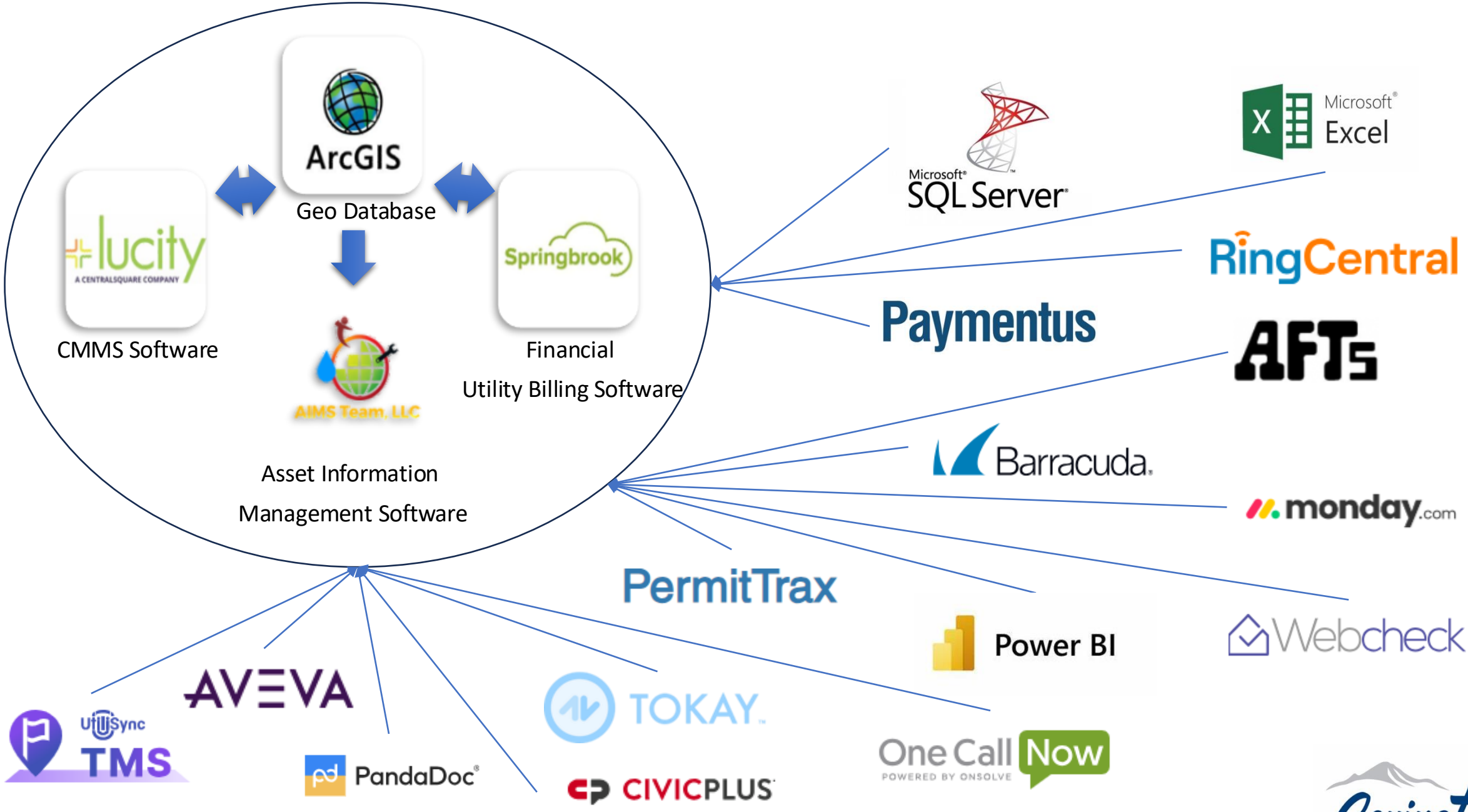


"USE YOUR ASSET MANAGEMENT SYSTEMS ACROSS YOUR ORGANIZATION TO STREAMLINE PROCESSES AND CREATE OPERATIONAL EFFICIENCIES."

WHY?

"ASSET MANAGEMENT MOVES FROM A TASK TO BE COMPLETED TO A CORE FUNCTION OF BUSINESS PROCESSES THAT MUST BE SUPPORTED"

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ArcGIS
Geo Database
lucity
A CENTRALSQUARE COMPANY
CMMS Software
Springbrook
Financial
Utility Billing Software
AIMS Team, LLC
Asset Information
Management Software
Microsoft SQL Server
Microsoft Excel
RingCentral
Paymentus
AFTs
Barracuda
monday.com
PermitTrax
Power BI
Webcheck
AVEVA
TOKAY
UtiliSync TMS
PandaDoc
CIVICPLUS
One Call Now
POWERED BY ONSOLVE
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COVINGTON WATER IS USING ASSET MANAGEMENT SYSTEMS TO:

- VISUALIZE ASSET MANAGEMENT PLAN AND QA/QC INPUTS
- NOTIFY CUSTOMERS OF OUTAGES
- COMPARE DISPERATE/SILOED DATA SETS
- INFORMATION SHARING ACROSS DATABASES
- AUTOMATED REPORTING

EXAMPLE - USING DASHBOARDS TO HONE ASSET MANAGEMENT PLAN

District Work Order Analysis

BLANK WORK ORDER ATTRIBUTE ANALYSIS

RETURN TO MAIN PAGE

VIEW TREE MAP

7/14/2014 8/28/2023

Main Task: All

Problem: All

Cause: All

34423

TOTAL WORK ORDERS BASED ON APPLIED FILTERS

14135

PROBLEM IS BLANK

19356

CAUSE IS BLANK

2376

LEAD WORKER IS BLANK

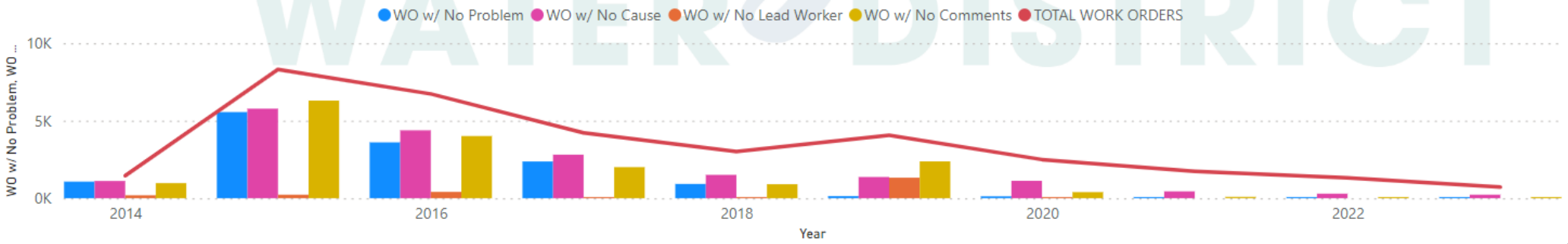
17267

COMMENT IS BLANK

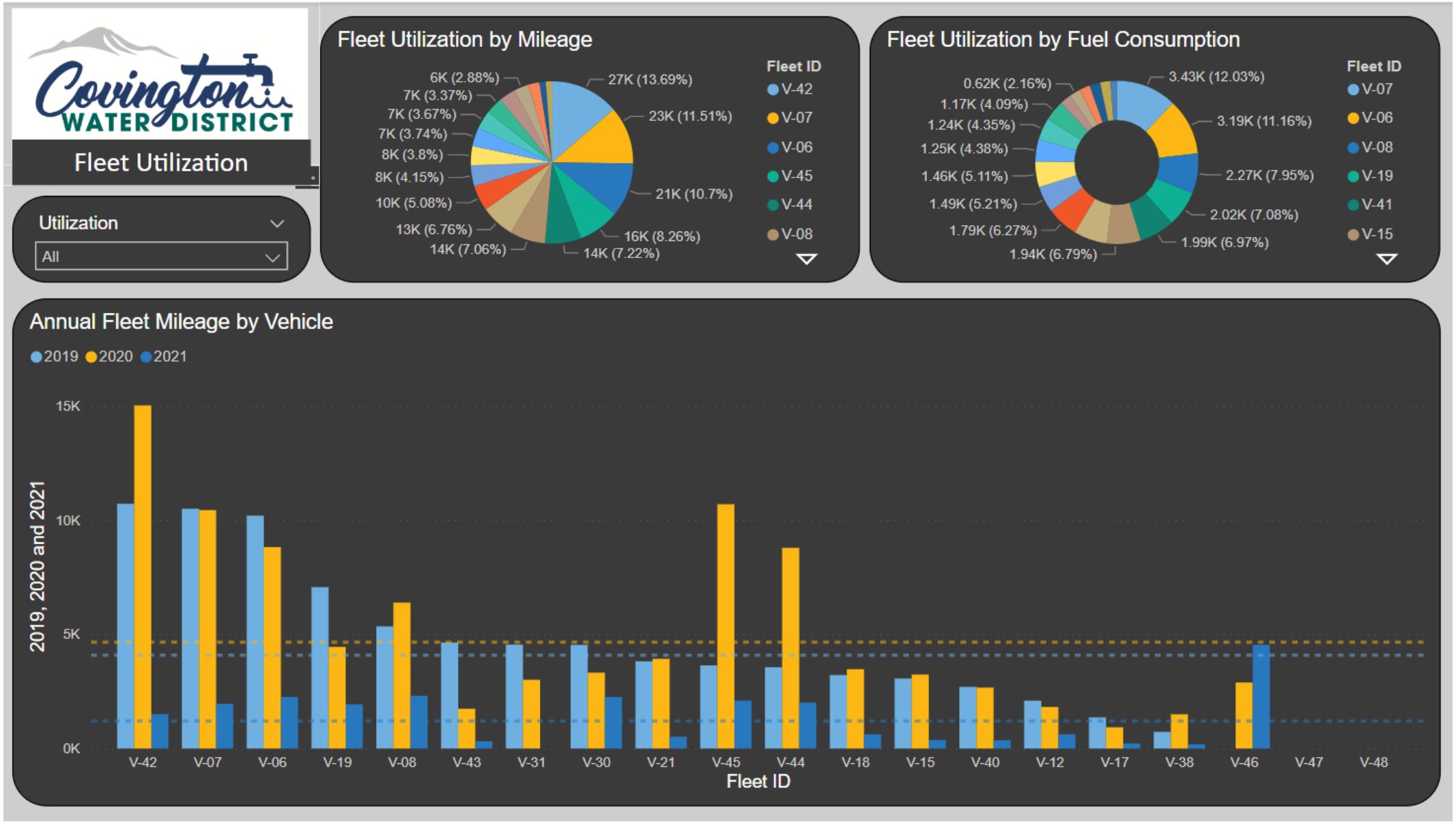
Main Task	Problem is Blank
Air-Vac Repair	9
Auto Flush Station Maintenance	30
Auto Flush Station Repair	3
Blow-Off Maintenance	50
Building Asset - Maintenance	8
Buildings - Clean Interior	2
Buildings - Maintenance	4
Buildings - Repair	3
Buildings - Roof and Gutter Maintenance	4
Buildings- Roof & Gutter Maintenance Vendor	1
Control Valve	904
Total	**14135**

Main Task	Cause is Blank
222nd Containment & Wet Well	1
Air-Vac Repair	97
Auto Flush Station Maintenance	30
Auto Flush Station Repair	3
Blow-Off Maintenance	50
Building Asset - Maintenance	8
Buildings - Clean Interior	2
Buildings - Maintenance	14
Buildings - Repair	15
Total	**19356**

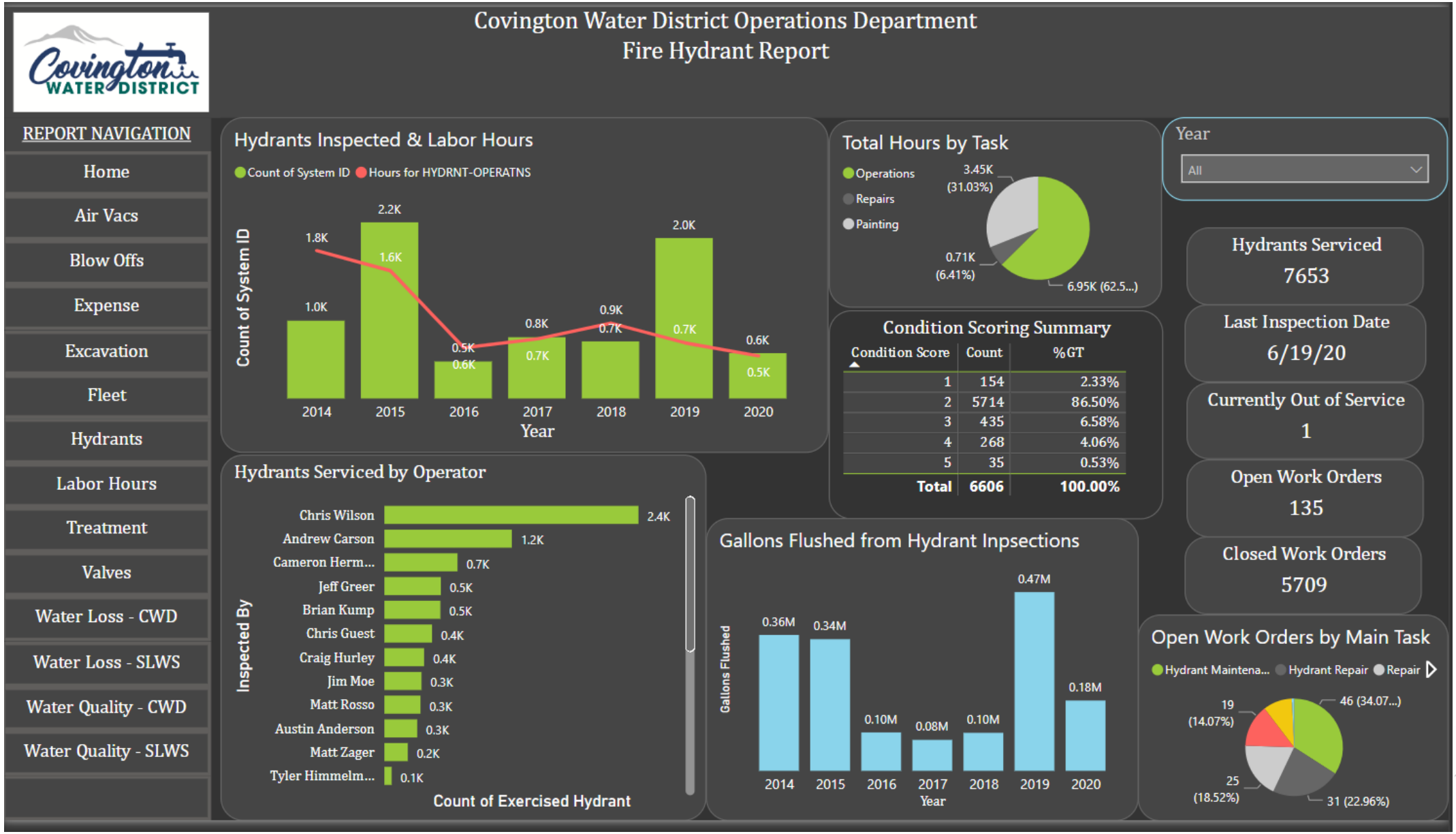
DISTRICT WORK ORDERS WITH BLANK ATTRIBUTES BY YEAR



EXAMPLE - USING DASHBOARDS TO HONE ASSET MANAGEMENT PLAN



EXAMPLE - USING DASHBOARDS TO HONE ASSET MANAGEMENT PLAN



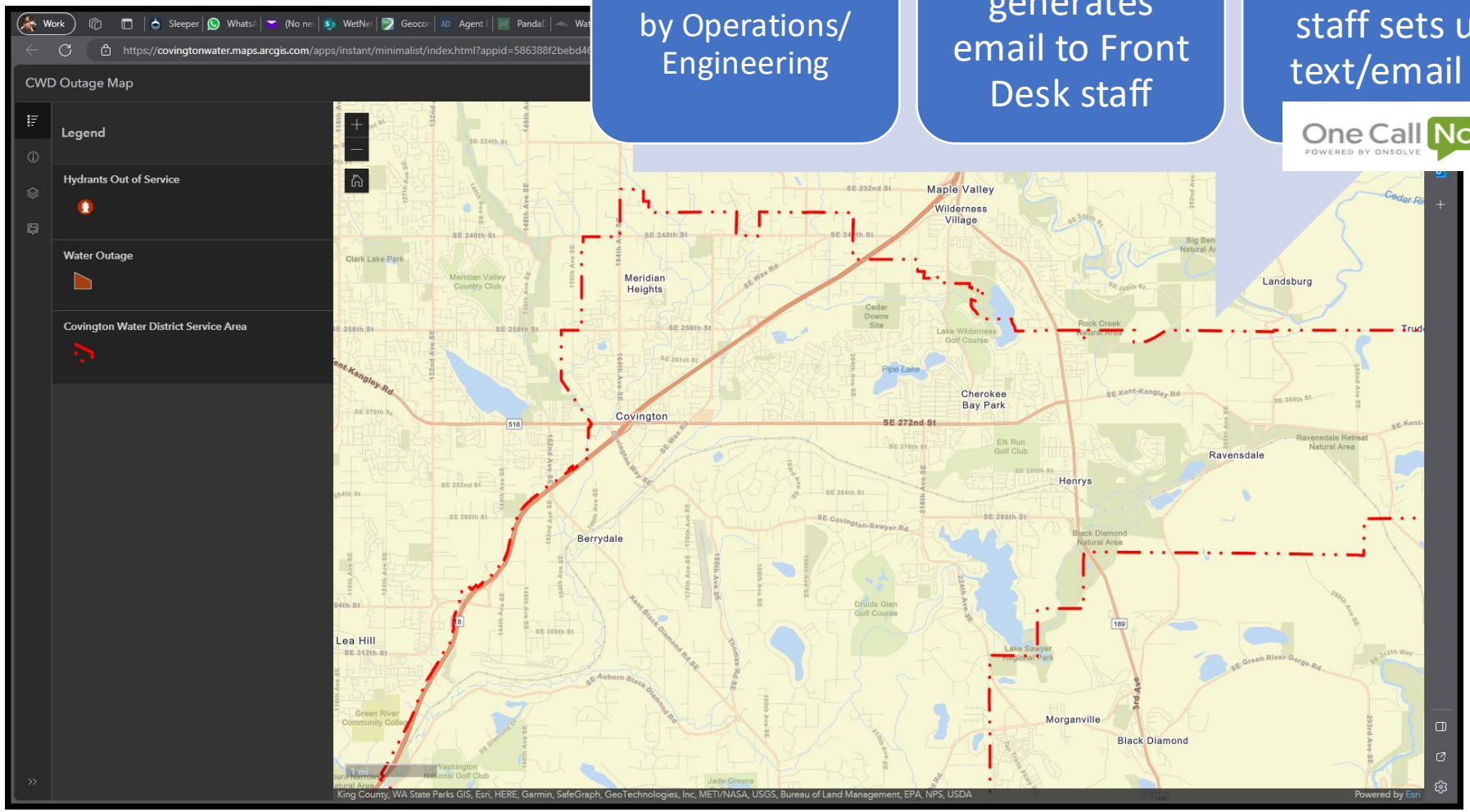
EXAMPLE - OUTAGE SOLUTION TOOL/PROCESS

Shutdown created by Operations/ Engineering

System generates email to Front Desk staff

Front Desk staff sets up text/email in

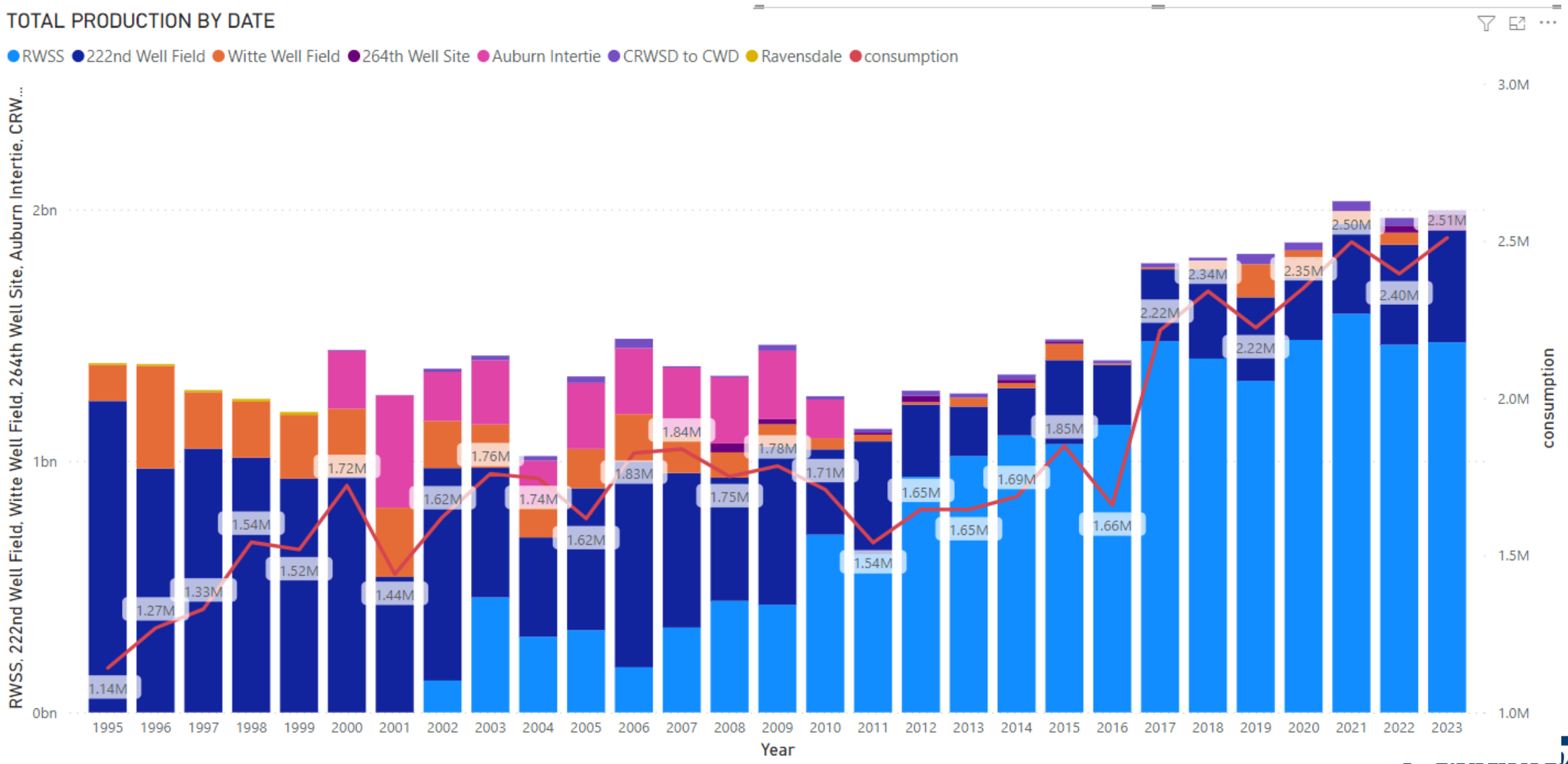
One Call Now
POWERED BY ONSOLVE





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EXAMPLE- COMPARING DISPERATE DATA: CONSUMPTION AND PRODUCTION DATA



EXAMPLE - USING PAYMENTUS DATASET TO POPULATE INFORMATION IN SPRINGBROOK THROUGH SQL SERVER.

Paymentus





Springbrook



EXAMPLE – AUTOMATED REPORTING THROUGH SQL

Daily Balance Report



Customer Contact Information Report



Soos Creek Consumption Report



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In Summary



Develop your Asset Management systems and write your AM Plan



Have a management mindset that seeks to integrate Asset Management systems across the organization.



When you do find ways to leverage your Asset Management tools and software to create efficiency and streamline processes TELL THE STORY!

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QUESTIONS?

Dan Sleeth – Operations Manager

Chris Guest – Customer Service Supervisor


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