

IT'S MORE THAN A PROJECT. IT'S OUR HOMETOWN.
DATA & DECISION MAKING
THE CULTURE OF ASSET MANAGEMENT



McElhanney

OUR HOMETOWNS



MCSL Branch



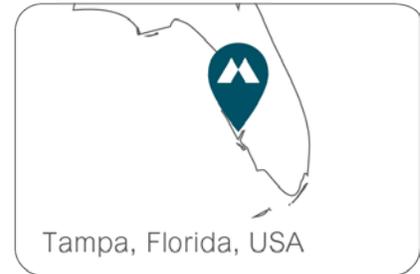
MCSL Satellite Office



MLSL Branch



St. John's, Newfoundland



Tampa, Florida, USA



SECTORS



CITIES & COMMUNITIES

- Municipal infrastructure
- Asset Management
- Community Planning
- Land Development
- Recreation & Tourism
- Watershed Management
- Buildings



TRANSPORTATION & TRANSIT

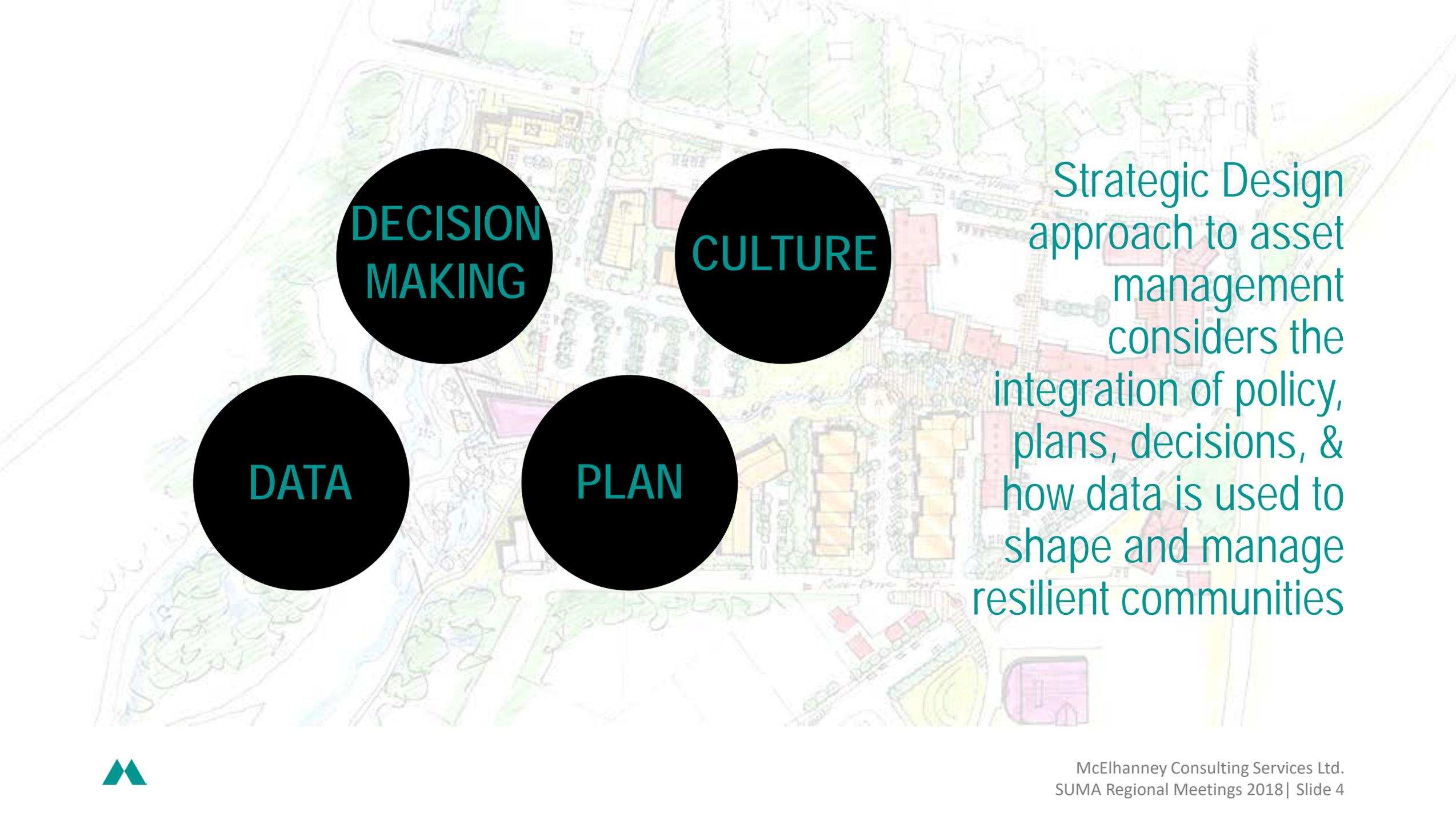
- Design-build / P3
- Highways
- Bridges
- Ports
- Transit
- Airports



ENERGY & RESOURCES

- Oil & gas (LNG) facilities
- Oil & gas (LNG) pipelines
- Renewable Energy
- Power Transmission
- Upstream Oil & Gas
- Mining & Minerals
- Forestry





DECISION
MAKING

CULTURE

DATA

PLAN

Strategic Design
approach to asset
management
considers the
integration of policy,
plans, decisions, &
how data is used to
shape and manage
resilient communities



CULTURE

Leadership & Strategy

Health & Wellbeing

Resilient Communities

Asset Management

Infrastructure & Natural Systems

Economy & Society



CULTURE

Leadership & Strategy

Health & Wellbeing

Resilient Communities

Asset Management

Infrastructure & Natural Systems

Economy & Society

- Infrastructure & Natural Systems:
 - Deliver critical services that protect and connect people
 - Provide the framework & structure of a community
 - Influence how individual community members experience and interact with their community



CULTURE

Leadership & Strategy

Resilient Communities

Health & Wellbeing

Asset Management

Infrastructure & Natural Systems

Economy & Society

Leadership & Strategy

- Applying informed, inclusive, integrated, and iterative decision-making processes



CULTURE

Leadership & Strategy

Resilient Communities

Health & Wellbeing

Asset Management

Infrastructure & Natural Systems

Economy & Society

Asset management is a process of shaping resilient communities in the most cost-effective manner





PLAN

Infrastructure is not built for the sake of building infrastructure. It is designed and constructed to support the goals towards thriving and resilient communities.



UNCERTAINTY / PATTERNS / INSIGHTS

CLARITY / FOCUS

DECISION
MAKING



What decisions do you make
that have the largest
community impact?

How does infrastructure
support the components of a
resilient community?



Categories

Location

Physical Attributes

material, type, size, length, etc.

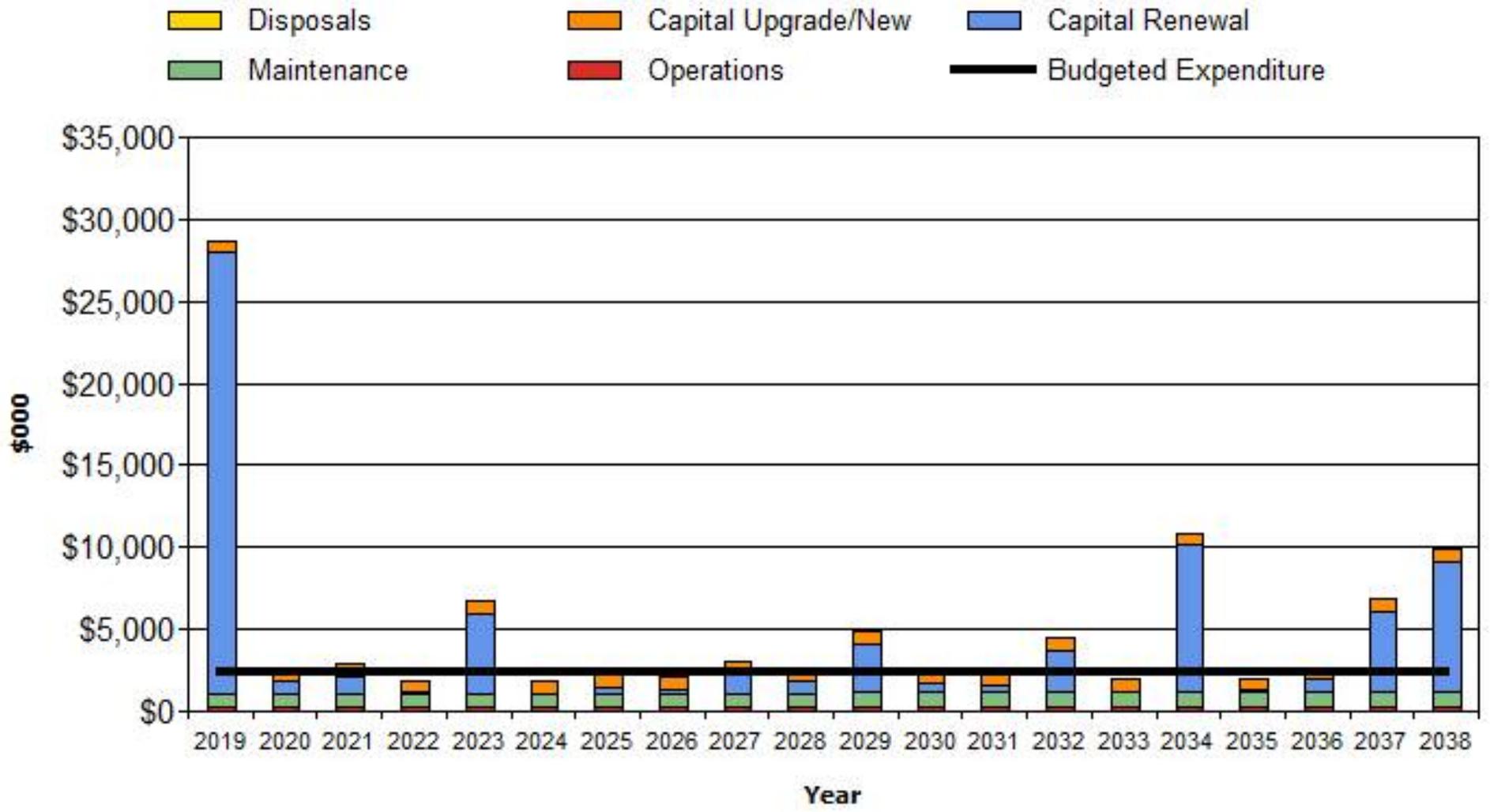
Condition

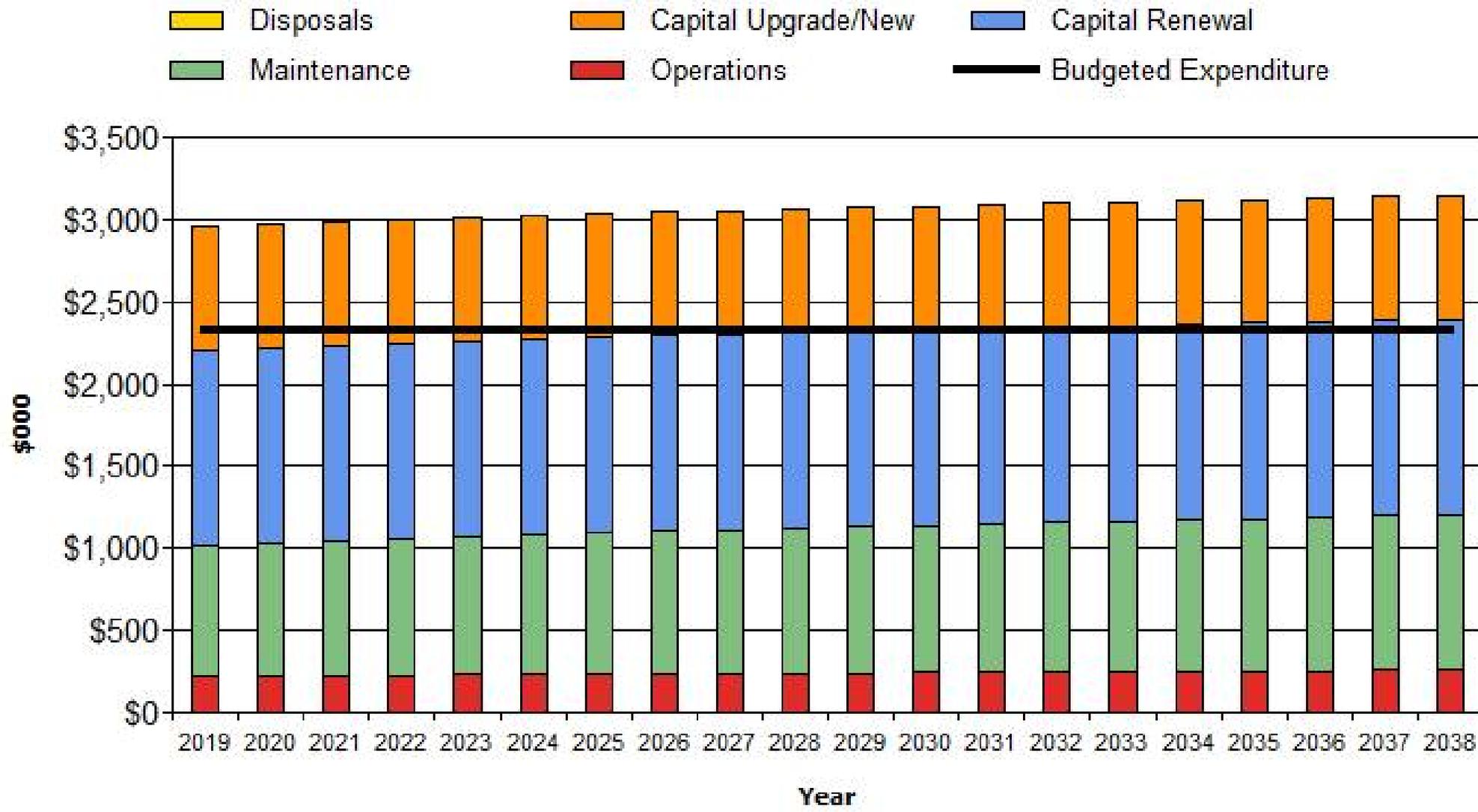
Detailed & Quantitative: established practices & standards

Generic & Qualitative: data available through public works maintenance records



DATA





ASSET MANAGEMENT:

- Process of shaping resilient communities in the most cost effective manner
- Provides a framework for decision-making and develops a strategy to deliver value to your community
- Is data-driven

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DATA COLLECTION CONSIDERATIONS:

- How do natural and infrastructure systems support the components of a resiliency in your community?
- What decisions do make that have the largest community impact?
- How can you use data to support these decision?

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**ASSET MANAGEMENT IS A
DATA-DRIVEN
COMMUNITY DEVELOPMENT
PROCESS PROVIDING
A FRAMEWORK FOR
STRATEGIC DECISION-
MAKING
DELIVERING VALUE TO YOUR
COMMUNITY**

**PLANNING &
INFRASTRUCTURE MANAGEMENT**

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