



icINFRASTRUCTURE



STRATEGIC PLANNING

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- Professional Engineer specializing in Energy and Asset Management
- Canadian, lived and worked in Northwest Territories for 13 years
- Manager of Asset Management & GIS for City of Yellowknife 2020-2022
- Committee Member - CSA TS-506 Risk Based AM in Northern Regions
- Joined icInfrastructure in 2024
 - **Passionate about training and building AM capacity**



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STRATEGIC PLANNING – ASSET REGISTRY



First the Basics

Assets



Services



Quality of Life



What is an Asset Registry?

- ◆ **Single source of the truth**, containing:

- ◆ What do you own?

- ◆ When did you acquire it?

- ◆ What is its estimated useful life?

- ◆ How much does it cost to replace?

Examples

- ◆ Asset: **Community Arena**
- ◆ Year Acquired: **1980**
- ◆ Estimated useful life: **50 years**
- ◆ Current Replacement Cost: **\$20M**

- ◆ Asset: **Main Street**
- ◆ Year Acquired: **2005**
- ◆ Estimated useful life: **30 years**
- ◆ Current Replacement Cost: **\$1.5M**

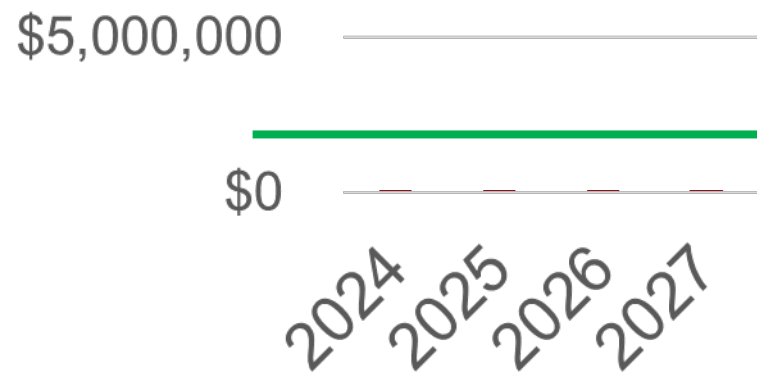
Examples

Asset Class	Asset ID	Material	Year Built	Replacement Cost	Estimated Useful Life (Years)	Replacement Year
Roads	RDS001	Asphalt	2011	\$5,720,000	25	2036
	RDS002	Asphalt	2015	\$8,140,000	25	2040
	RDS003	Asphalt	1997	\$11,000,000	25	2022
	RDS004	Asphalt	2005	\$2,475,000	25	2030
	RDS005	Asphalt	2007	\$3,300,000	25	2032
	RDS006	Asphalt	2001	\$4,950,000	25	2026
	RDS007	Gravel	2019	\$750,000	5	2024
	RDS008	Gravel	2017	\$1,140,000	5	2022
	RDS009	Gravel	2021	\$1,260,000	5	2026

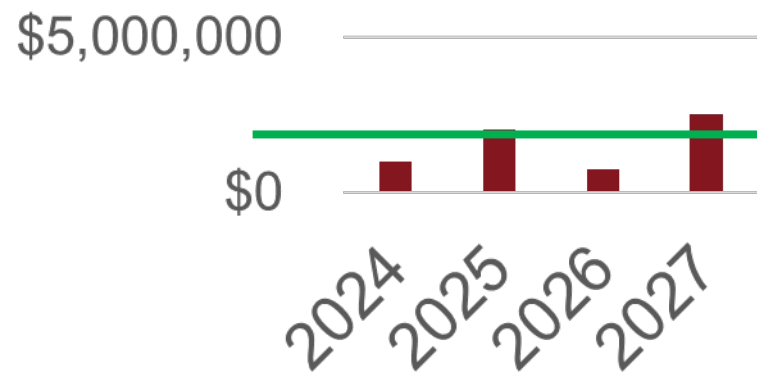
Why is this valuable?

- ◆ Reminds us of the assets we own to maintain current quality of life will eventually need to be replaced
- ◆ Let's us estimate the future cost and whether we have enough resources
- ◆ Inform saving to maintain services versus spending to increase services
- ◆ Helps shift from “Capital Improvement Plan” to “Capital *Investment* Plan”

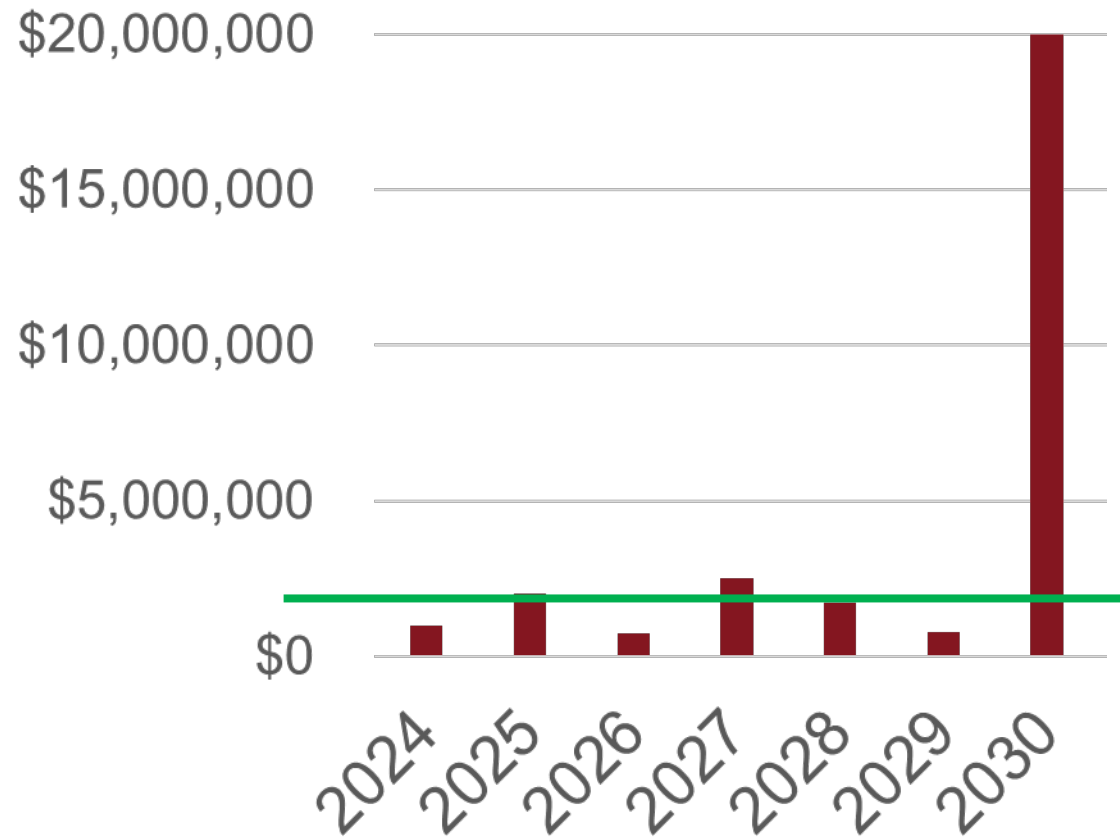
Why is this valuable?



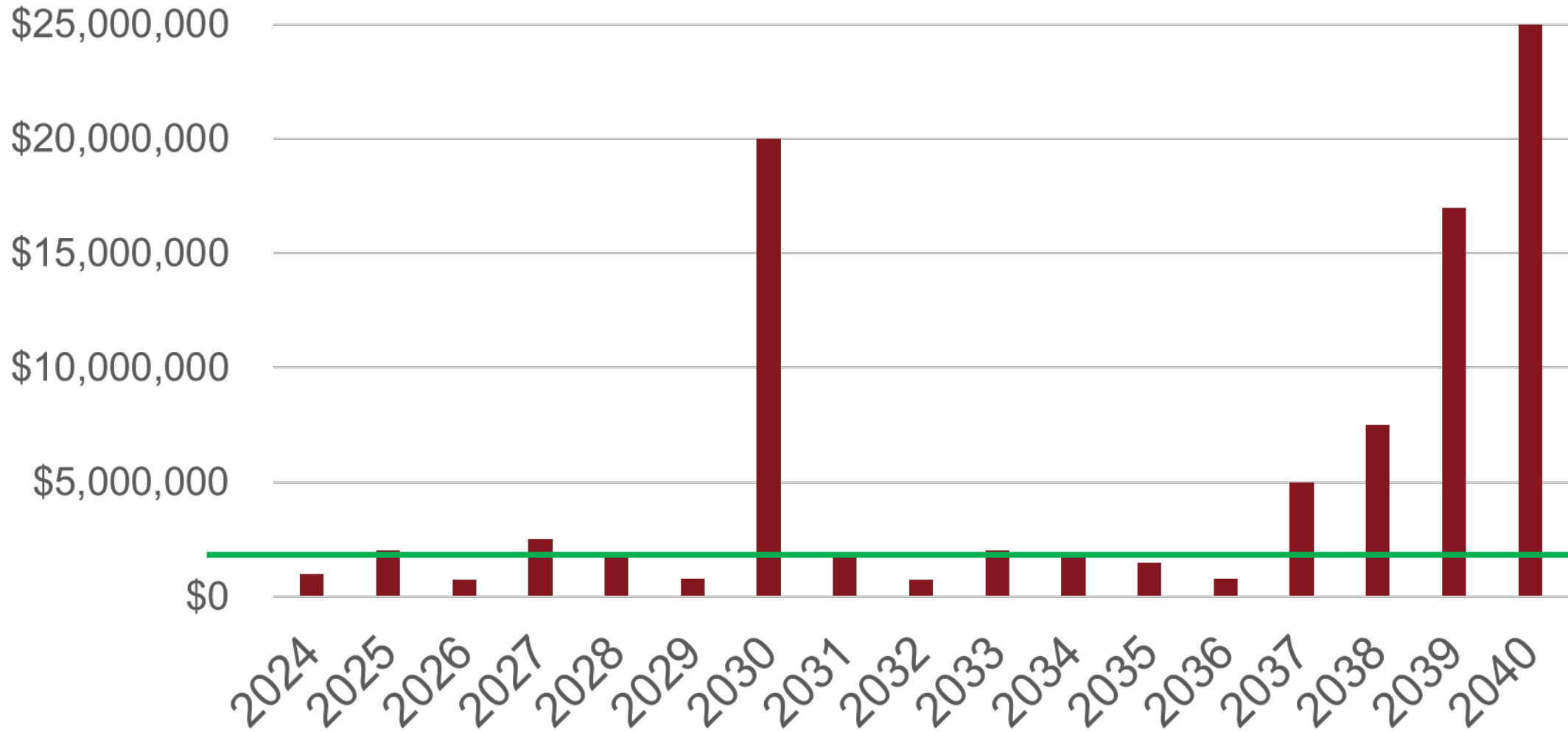
Why is this valuable?



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Why is this valuable?



More Benefits!

- ◆ Reduced Budgeting Efforts
- ◆ Inform your CMMP
- ◆ More Effective Grant Applications
- ◆ Proactive action means fewer service interruptions
- ◆ Increased transparency = Community Trust

How to get started

As apart of your next planning session, ask your staff...



Do we have a complete list of assets?



Do we know what they would cost to replace?



Do we know their average lifespan?



Do we know when we'll have to replace them?

Keep it simple to start