

Alberta

Freedom To Create. Spirit To Achieve.

Sustainable Stewardship: Alberta Infrastructure's Roadmap to Value Assurance



Why A Value Initiative?



The background of the slide is a photograph of a wooden roof truss structure under construction. The wooden beams are light-colored and arranged in a complex geometric pattern, with several large beams extending from the bottom towards the top corners of the frame. The sky is visible through the gaps in the structure, showing a mix of white clouds and blue patches.

Frameworks:

**For Discussion
Decision Making
Public Policy**

Value Management: The Framework for Discussion



Building on Positive History

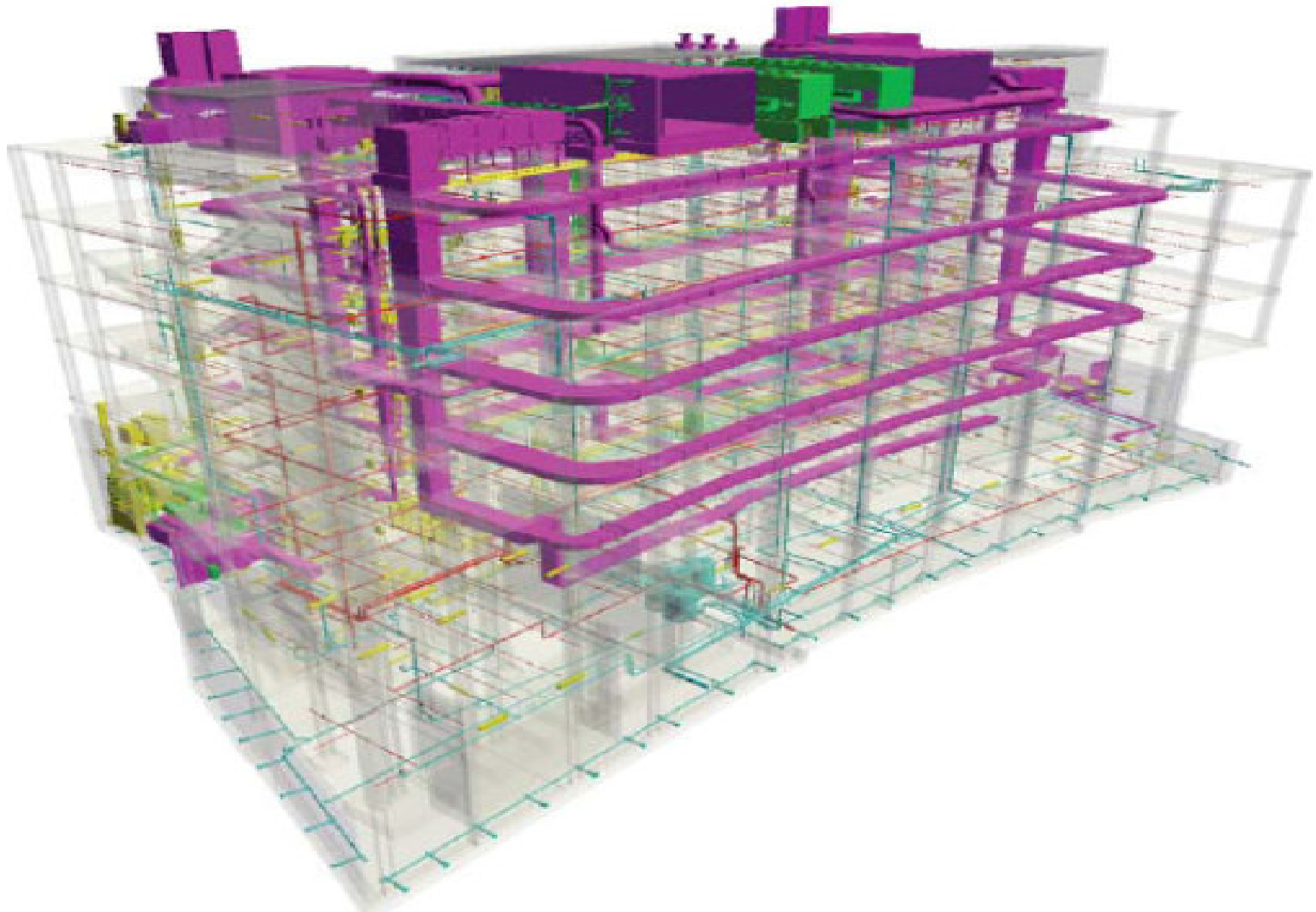
Project	Baseline Capital Cost (prior to study)	Post-VM Study Capital Cost	Net Savings (E-F)	Functionality + Cost
Fort McMurray School District No. 2833, Fort McMurray Composite High School	\$ 64 M	\$ 68 M	-\$ 04 M	
Prairie Rose Regional Division No.8 - Modernization/Right Sizing of the 2 Bow Island Schools	\$ 26 M	\$ 17 M	\$ 09 M	
Horizon School Division Vauxhall Elementary School (VES) Vauxhall High School (VHS)	\$ 29 M	\$ 23 M	\$ 06 M	



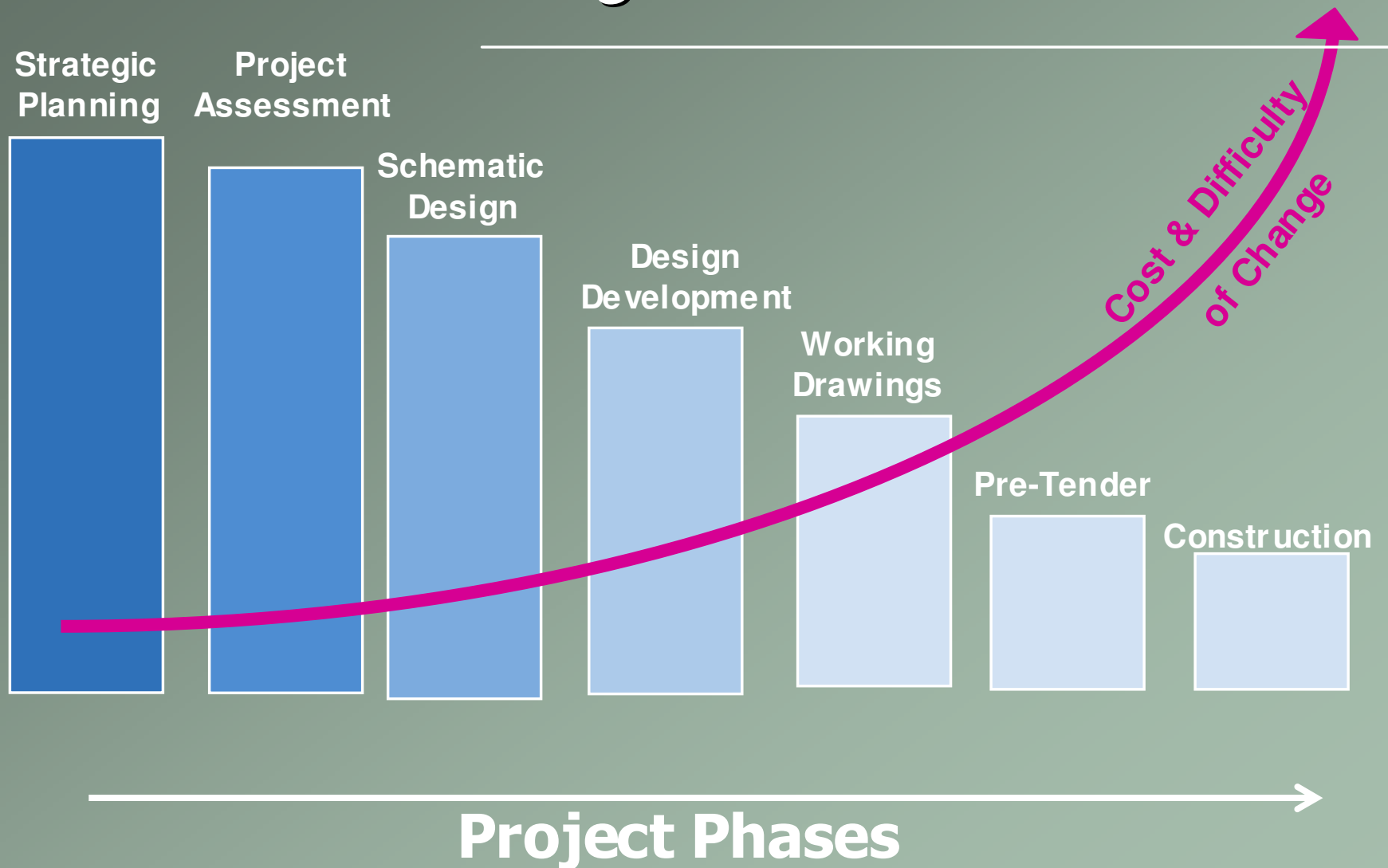
VM Example: Two Schools in Vauxhall



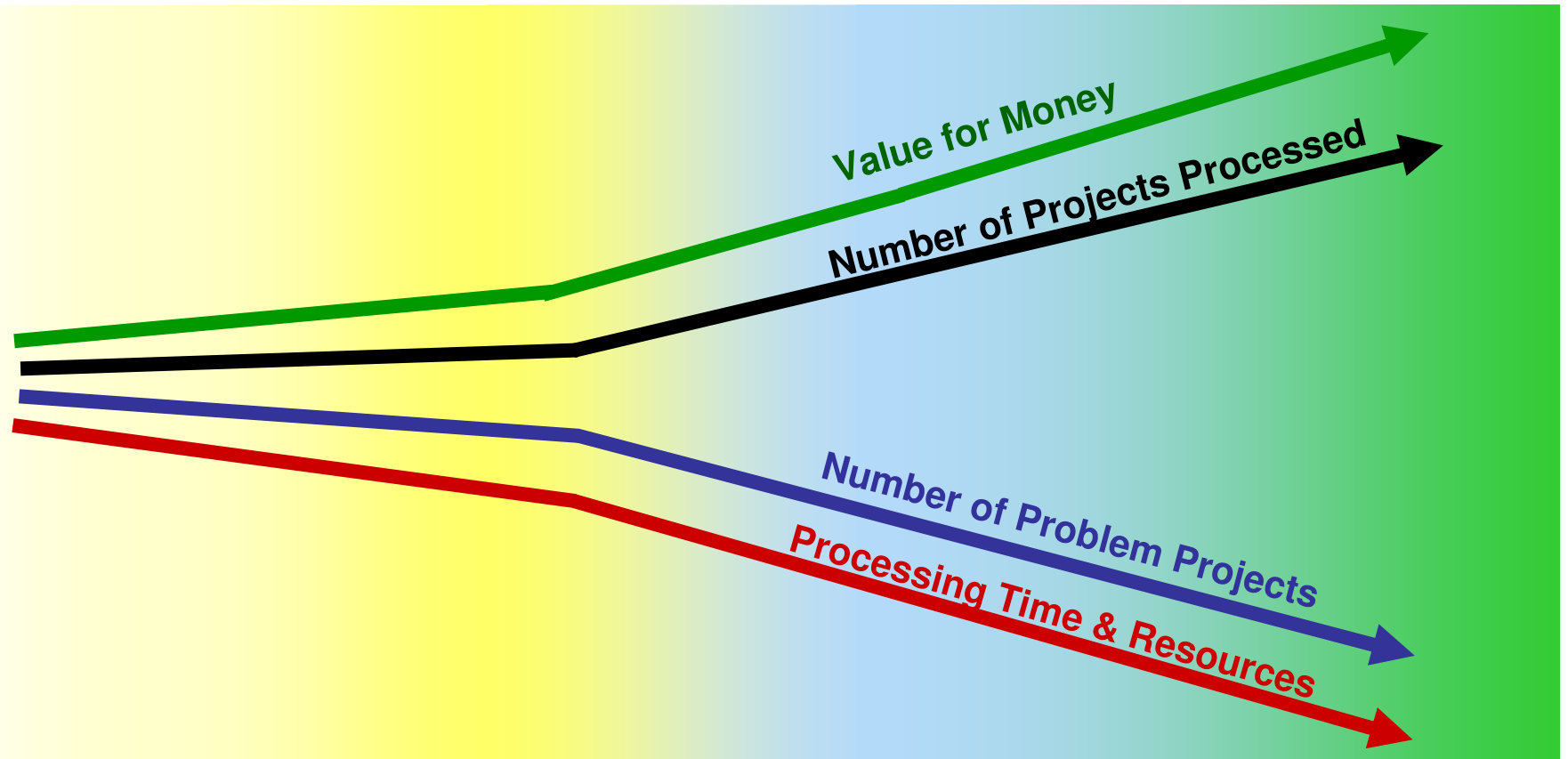
Developing the VM Program



Value Management *Influencing Outcomes*



Outcomes



Task Focus

*Individual
Perspective*

Project Focus

*Group
Perspective*

Program Focus

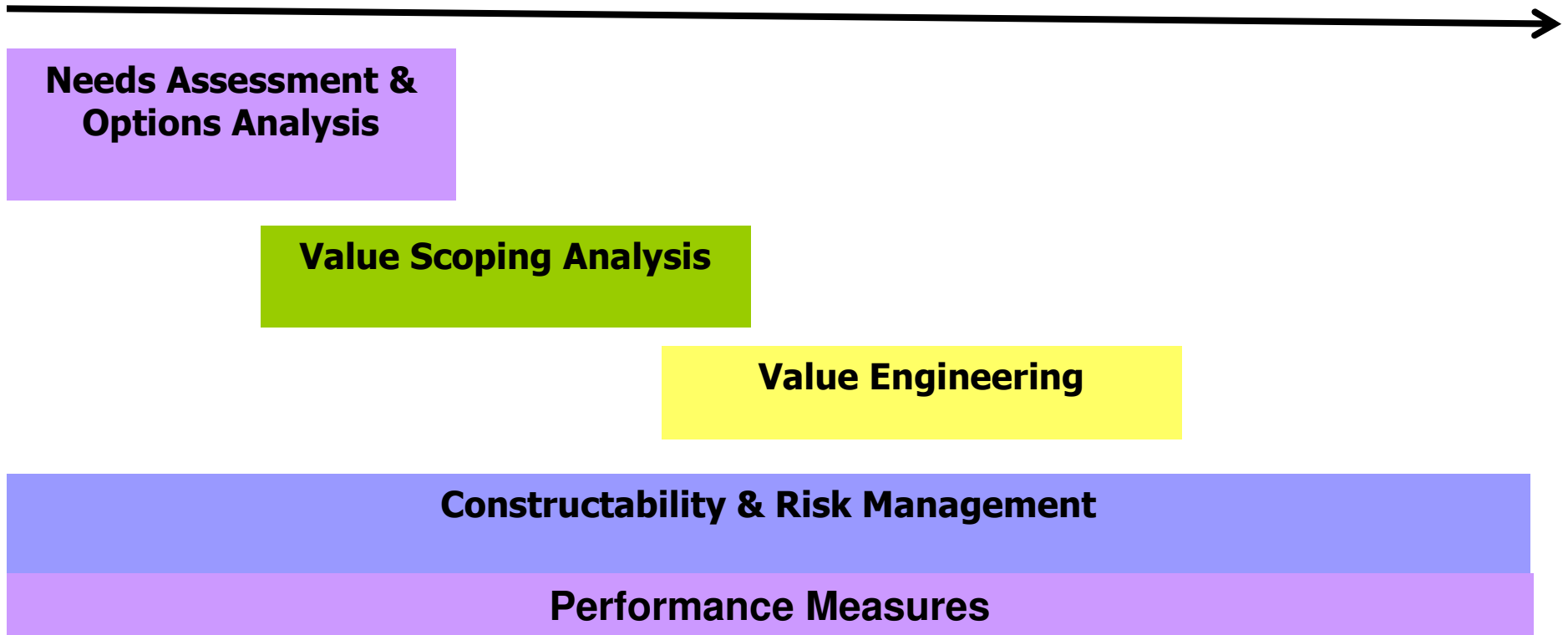
*Divisional
Perspective*

Integrated Focus

Value Assurance

What's in the VM Program

Phases of a Project



Extranet > Capital Projects Division

Capital Projects Division > Program Management > ECS > Value Management

Documents

- Tools & Templates
- Oversight Committee

Lists

- Calendar
- Contacts

Discussions

Sites




People and Groups

About Value Management


- About Value Management
- Value Management Program
- Online Resources
- Glossary of Terms
- Building on Success
- External links

Online Resources

[The What, Why, How, & When of Value Management](#) (Value Management Resources Document)
[Tools & Templates](#)

Criteria	Criteria Values	Project Phases for VM			
		Strategic Planning	Project Assessment	Project Definition & Startup	Construction
Cost TPS/TPC	\$10,000,000				
Complexity	Very Complex				
Schedule	Tight	233	233	194	5
Contract Methodology	P3	Legend			
Political Sensitivity	High	Mandatory			
Potential VM Investment Return	High	Needs a Value Management Workshop			
Project Risk Level	High				
Potential for Construction Problems	Low				
Potential For Repeatability	High	Recommended			
Potential for Environmental Impact	Low	Needs a Value Management Workshop			
Renovation Content % of Project Costs	0%				
Number of Stakeholders	0 to 5				
Leed Level	Silver	Not Recommended			
Social Impact	Low	No VM Workshop Required			

The Value Management Planning Tool



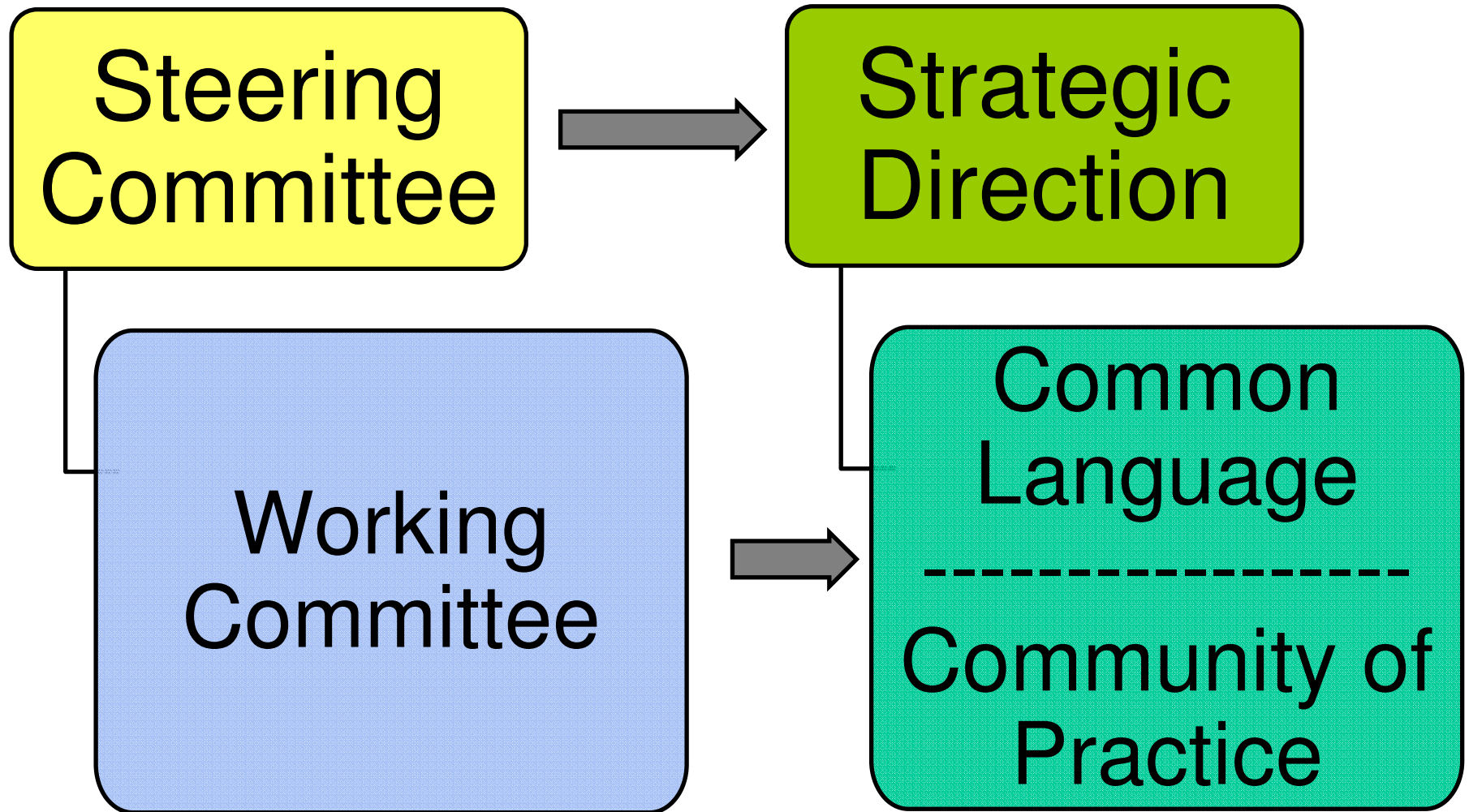
Learning

**by evaluation
by statistics**

Sustainable Stewardship The Framework for Decision Making



Oh No: Another Committee



The Phases of a Building's Life





How do we make improvements?



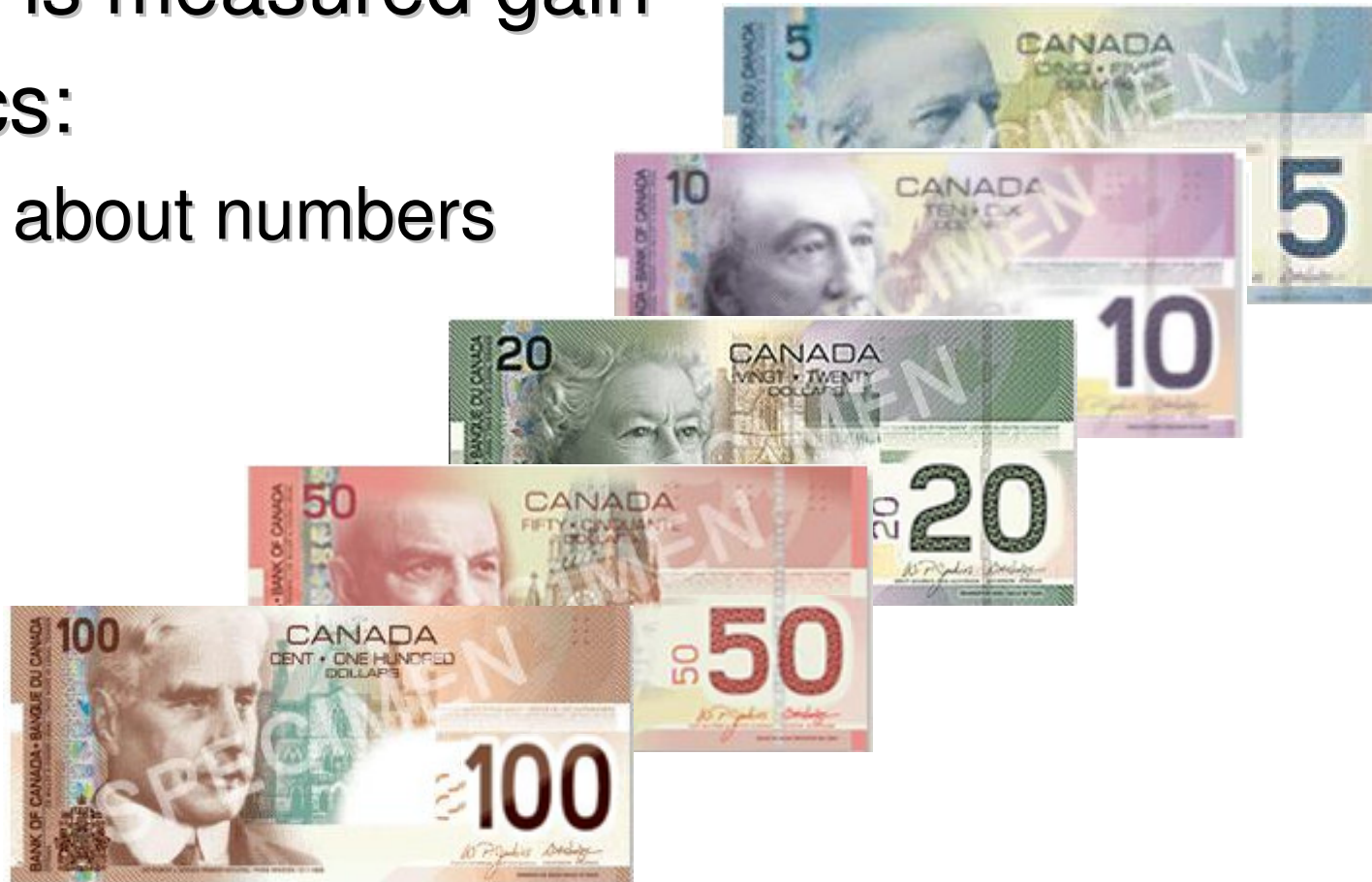
Creativity



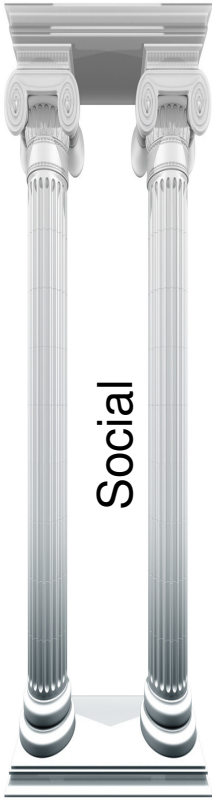
Innovation

How do we know we are making progress?

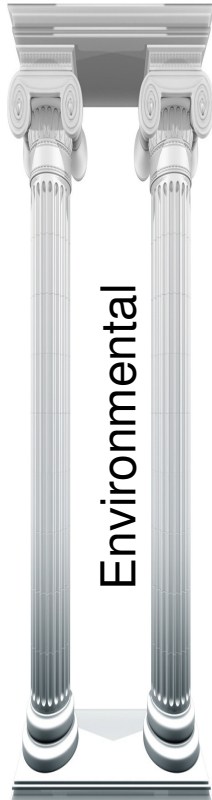
- There is measured gain
- Metrics:
It's all about numbers



Value Assurance



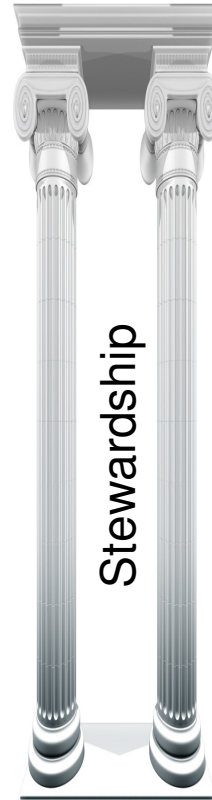
Social



Environmental



Economic



Stewardship

Value Management

Value Assurance

Building Public Policy

Phase 1 the basics
-Creating a common language
-VM Methodology: the communication framework

Phase 3
-Establish a meaningful community of practice
-Create a public policy

Phase 2
-Establish leading practices
-sustainable stewardship: the framework for decisions, life cycle cost management

