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# Manitoba Hydro

39 Subjects Maturity Assessment

## Introduction

- AMCL was engaged to complete a re-assessment of Manitoba Hydro's asset management system in 2022
- UMS Group Inc assessed Manitoba Hydro's asset management practices in 2016.
- Manitoba Hydro has since undergone significant organizational restructuring to centralize its asset management functions.

The full scope of the 2022 engagement included four main components:

1. Assess maturity against the 39 subjects defined by the GFMAM for asset management
2. Assess progress against 2016 assessment recommendations
3. Assess the expected maturity score on completion of the existing asset management objectives
4. Recommendations for areas of improvement

## Assessment Structure

The assessment was split into two main phases, i.e., the Enterprise Level and Energy Stream Level assessments:

### Enterprise Level Assessment

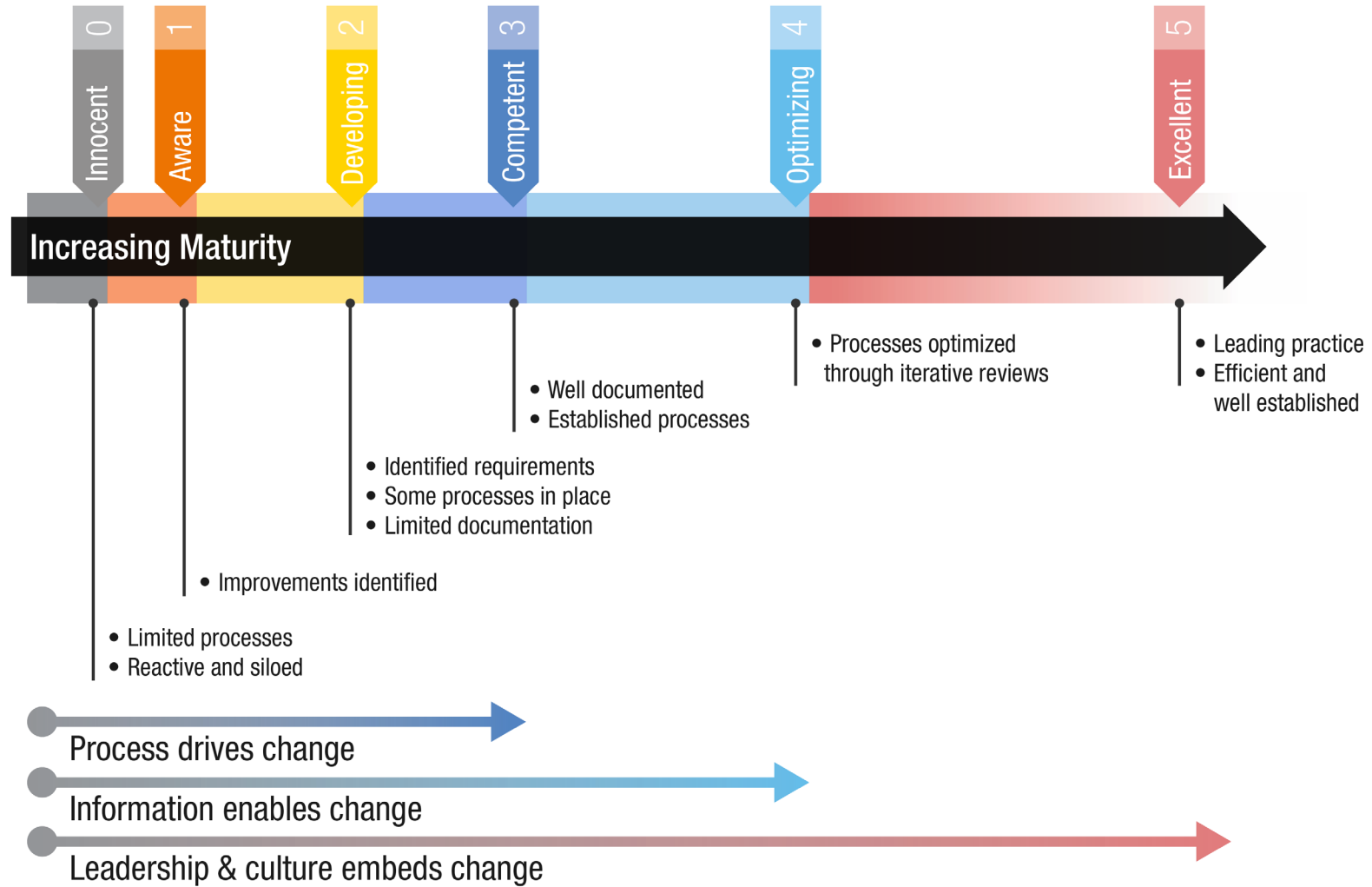
The scope of this assessment was Manitoba Hydro's enterprise-wide asset management program and corporate functions; this covered the overall approach to asset management for Manitoba Hydro as a whole.

### Energy Stream Level Assessments

The scope of these assessments was the four main energy streams with a focus on **Lifecycle Delivery Activities**;

- electric generation,
- electric transmission,
- electric distribution, and
- gas distribution.

# Asset Management Maturity Scale



# FINDINGS OVERVIEW

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# Manitoba Hydro GFMAM 39 Subjects Assessment Findings



## Manitoba Hydro GFMAM 39 Subjects Assessment Findings by Group

GFMAM Groups		SCORE					
Group	Subject	Enterprise & Support Functions	EGen	ETx	EDx	GDx	Company Average (Weighted)
1	Asset Management Strategy & Planning	2.05					2.05
2	Asset Management Decision Making	1.79	1.83	2.25	1.75	2.22	1.83
3	Lifecycle Delivery Activities	2.03	2.02	1.89	2.34	2.14	2.09
4	Asset Information	1.32					1.32
5	Organisation & People Enablers	2.13					2.13
6	Risk & Review	1.42	2.00	3.00	2.00	3.00	1.45
Average (Weighted)		1.75	1.98	2.00	2.20	2.17	1.81

Key	
0	Innocent
1	Aware
2	Developing
3	Competent



## Enablers for Change

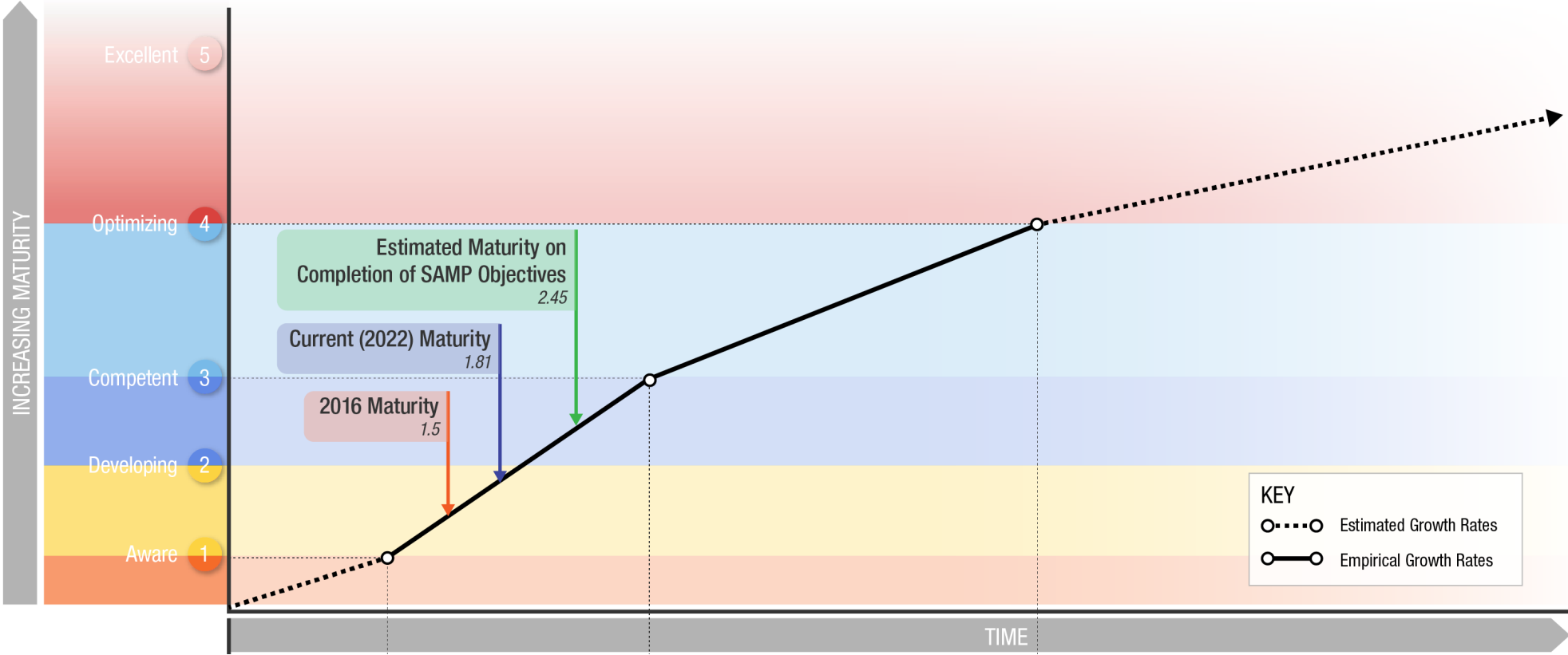
- Develop a detailed Asset Management improvement roadmap to include a coordinated set of activities that account for the interdependence of the SAMP Objectives. The business improvement plan can then be appropriately resourced.
- Continue to resource and deliver the Change Management Program as defined in Phase 1, 2 and 3 of the ToR for AM Objective # 6
- Develop ToR for AM Objective # 7: Maintain Historic Levels of Asset Performance; this should include having systems and monitoring in place to monitor cost, risk and performance.

## Existing Objectives

- AM Objective # 1: Deliver an Asset Management Plan (AMP)
- AM Objective # 2: Document Asset Strategies
- AM Objective # 3: Develop an Asset Information Strategy (AIS)
- AM Objective # 4: Implement a Consistent Asset Risk Management Practice
- AM Objective # 5: Institute an Asset Management System Continuous Improvement Cycle
- AM Objective # 6: Lead, Engage and Support Employees Through the Change of Implementation of the Asset Management System
- AM Objective # 7: Maintain Historic Levels of Asset Performance



# Expected Maturity on Completion of Current SAMP Objectives





# Discussion