

CAPITAL PROFILE REPORT

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PROFILE NAME: TELUS WORLD OF SCIENCE

PROFILE NUMBER: 15-21-6600

DEPARTMENT: Community Services

BRANCH: Community Strategies & Development

LEAD BRANCH: Community Strategies & Development

PROGRAM NAME:

BUDGET CYCLE: 2015-2018

PROFILE STAGE: Post Budget Approval

PROFILE TYPE: Standalone

PROFILE MANAGER: Lyall Brenneis

LEAD BRANCH MANAGER: Lyall Brenneis

ESTIMATED START DATE: January, 2015

ESTIMATED COMPLETION: January, 2019

Major Initiative:

Service Category: Recreation & Culture

GROWTH

40

RENEWAL

60

PREVIOUSLY APPROVED:

40,000

BUDGET REQUEST:

-

TOTAL PROFILE BUDGET:

40,000

PROFILE DESCRIPTION

In 2009, the Edmonton Space & Science Foundation (The Foundation) developed a Master Plan to redevelop the TWoSE which had a total project cost of \$285M. The proposed expansions would more than double the facility size, increasing the square footage to approximately 245,827 sf (22,837 m²). The original plan has been phased into three parts, as requested by the City, with Phase 1 completed - the traveling exhibition gallery expansion and the IMAX renewal. Phase 2 adds the new Central Galleries and Lobby to meet demand and to transform the science centre from an overcrowded collection of buildings into a broad-based, functionally integrated, science & technology centre. Council awarded \$1.046 M for the detailed design of Phase 2. Phase 2 has a total projected cost of \$182.2 M with the request of \$47.4 M funding from the City over four years. The targeted completion date for Phase 2 is early 2020. Out of Scope: Phase 3 – Complete renovations of existing building.

PROFILE BACKGROUND

In June 2011, Council approved \$3.5M for the travelling exhibition gallery expansion, which has hosted events such as Star Wars Identities. In November 2012 Council approved \$3.696M for IMAX upgrades, Phase 2 business case development and architectural detailed design. TWoSE is overextended trying to handle the crowds, and its staff and support needs are also limited by space. The facility is physically split in half with some exhibits still in the original, Cardinal Building, and some in the 2001 and 2012 galleries on the other side of the entrance.

PROFILE JUSTIFICATION

The project supports The Way Ahead through The Way We Live: Improving Edmonton's Livability; The Way We Grow: Transforming Edmonton's Urban Form; The Way We Prosper: Diversifying Edmonton's Economy and the Infrastructure Strategy; The Way We Green: Preserve and Sustain Edmonton's Environment

STRATEGIC ALIGNMENT

Supports The Way We Live, The Way We Grow, The Way We Prosper, and The Way We Green

ALTERNATIVES CONSIDERED

Telus World of Science has responded to the City's original request by creating a phased plan for its expansion project, currently in Phase 2. Originally within Phase 2, two alternatives were suggested: eliminating some specific capital elements or doing nothing. With the new proposal Phase 2a: The Aurora Initiative, TWoSE is implementing one of these alternatives; eliminating specific capital elements.

COST BENEFITS

Phase 2a expansion offers tangible benefits in return for investment in areas like economic impact, attendance growth and efficiency and productivity improvements. The intangible benefits include exhibit galleries being popular with residents; helping Edmonton develop regional identity and citizenship; earning respect as a world-class science centre and connecting Edmonton's science and technology community to the public.

KEY RISKS & MITIGATING STRATEGY

Risks: inadequate project management credentials, negative public support, incomplete project funding, project schedule & cost control, operational sustainability after opening, unexpected inflation, project delay or no action.

RESOURCES

The Foundation seeks to purchase goods, services and construction fairly; based on best value. Where possible, considerations of environmentally sound products and services, in particular the utilization of post-consumer waste will be incorporated.

CONCLUSIONS AND RECOMMENDATIONS

Phase 2a will make Telus World of Science the right size for tomorrow's population, make operational sense of the current, overcrowded scattering of buildings, and allow a more solid operating economic model. Phase 2 implementation is recommended.

CAPITAL PROFILE REPORT

CAPITAL BUDGET AND FUNDING SOURCES (000's)

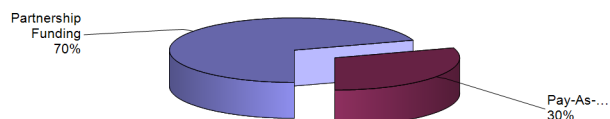
PROFILE NAME: **TELUS World of Science**PROFILE TYPE: **Standalone**PROFILE NUMBER: **15-21-6600**

		PRIOR YEARS	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	TOTAL
APPROVED BUDGET	Approved Budget												
	Original Budget Approved	-	-	6,500	6,000	16,000	11,500	-	-	-	-	-	40,000
	Current Approved Budget	-	-	6,500	6,000	16,000	11,500	-	-	-	-	-	40,000
	Approved Funding Sources												
	Partnership Funding	-	-	1,500	3,000	13,000	10,500	-	-	-	-	-	28,000
	Pay-As-You-Go	-	-	5,000	3,000	3,000	1,000	-	-	-	-	-	12,000
	Current Approved Funding Sources	-	-	6,500	6,000	16,000	11,500	-	-	-	-	-	40,000

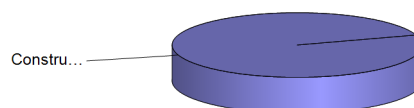
BUDGET REQUEST	Budget Request	-	-	-	-	-	-	-	-	-	-	-	-
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REVISED BUDGET (IF APPROVED)	Revised Budget (if Approved)	-	-	6,500	6,000	16,000	11,500	-	-	-	-	-	40,000
	Requested Funding Source												
	Partnership Funding	-	-	1,500	3,000	13,000	10,500	-	-	-	-	-	28,000
	Pay-As-You-Go	-	-	5,000	3,000	3,000	1,000	-	-	-	-	-	12,000
	Requested Funding Source	-	-	6,500	6,000	16,000	11,500	-	-	-	-	-	40,000

PROFILE FINANCING SOURCE



COSTS BY ACTIVITY TYPE



OPERATING IMPACT OF CAPITAL

Type of Impact: General Costs, Interdepartmental

Branch:	2018				2019				2020				2021			
	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE
Facility and Landscape Infrastructure	-	320	320	-	-	-	-	-	-	-	-	-	-	-	-	-
Community Strategies & Development	-	-	-	-	-	-	-	-	-	385	385	-	-	-	-	-
Total Operating Impact	-	320	320	-	-	-	-	-	-	385	385	-	-	-	-	-