

IESO Capital Projects
2005 - 2006
Obligation 2.1

(\$ millions)					
Project Name	2005 Projection 2006 - 08 Business Plan	2005 Actual	2005 Variances	2006 Projection 2007 - 09 Business Plan	2006 Actual As of Sept/06
APPLICATIONS					
Central Alarm Management ¹	3.0	2.1	(0.9)	1.0	1.1
Application Changes/VCR's ²	2.7	1.4	(1.3)	0.4	0.2
Outage Management (IOMS) ³	0.5	0.0	(0.5)	1.1	0.0
Security Software Enhancements	0.3	0.2	(0.1)	0.2	0.2
NERC Cyber Security	0.3	0.3	0.0	0.1	0.1
Enterprise Risk Management Tool	0.0	0.0	0.0	0.0	0.0
Server Management Software	0.3	0.2	(0.1)	0.0	0.0
Human Resource Information System Upgrade	0.1	0.2	0.1	0.0	0.0
Desktop Management Software Tool	0.1	0.1	0.0	0.0	0.0
Energy Management System/ Market Information System	0.0	0.0	0.0	3.4	0.0
Day-Ahead Commitment Process	0.0	0.0	0.0	2.7	2.6
Day-Ahead Market			0.0		
Market Participant Interface Modernization	0.7	0.6	(0.1)	0.5	0.4
Customer Information System	0.0	0.0	0.0	0.0	0.0
Real-Time Web Interface - Phase 4	0.0	0.0	0.0	0.2	0.0
TOTAL APPLICATIONS	8.0	5.1	(2.9)	9.6	4.6
IT INFRASTRUCTURE					
Windows Server Infrastructure Replacement Phase 2&3	1.5	1.3	(0.2)	2.0	1.9
Backup Infrastructure Enhancements ⁴	0.7	0.0	(0.7)	1.3	1.3
MV90 Reliability Improvement Project ⁵	0.5	0.2	(0.3)	0.0	0.0
Telecom Expansion Program ⁶	0.5	0.2	(0.3)	0.6	0.4
UNIX Server Infrastructure Refresh & QA Environment	0.3	0.5	0.2	2.2	0.6
Remote Terminal Unit/Frame Relay and Router expansion ⁷	0.3	0.6	0.3	0.0	0.0
Printer Consolidation	0.3	0.5	0.2	0.1	0.1
Network DMZ Redundancy Improvements	0.2	0.1	(0.1)	0.1	0.1
Real-time Telemetry Upgrade	0.2	0.1	(0.1)	0.0	0.0
System Voice Circuit Replacement	0.2	0.0	(0.2)	0.0	0.1
Interconnection Metering	0.0	0.0	0.0	0.0	0.0

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Storage Infrastructure Enhancements	0.7	0.4	(0.3)	0.0	0.0
Network Infrastructure Replacement (load balancers)	0.1	0.1	0.0	0.0	0.0
Audio Visual Upgrades	0.1	0.1	0.0	0.0	0.0
Remote Access Project	0.1	0.0	(0.1)	0.2	0.1
Desktop Hardware Refreshment	0.0	0.0	0.0	0.0	0.0
Increased Disk Storage	0.0	0.0	0.0	0.3	0.3
Windows Refresh Program Stage 4	0.0	0.0	0.0	1.0	0.1
CISCO Network Gear Equipment Buyout	0.0	0.0	0.0	0.3	0.3
Other Minor Projects and Contingency	0.3	0.3	0.0	0.2	0.5
TOTAL IT INFRASTRUCTURE	6.0	4.4	(1.6)	8.3	5.8
<u>FACILITIES IMPROVEMENTS</u>					
Physical Security Upgrades	0.5	0.4	(0.1)	0.0	0.1
Control Center HVAC Upgrades (2005 - Chiller 3 Conversion)	0.1	0.1	0.0	0.2	0.0
Back-up Operating Centre Relocation and configuration	0.0	0.0	0.0	1.2	0.0
UPS Battery Replacement	0.0	0.0	0.0	0.6	0.0
Physical Security Upgrades II	0.0	0.0	0.0	0.2	0.0
Other Minor Projects and Contingency	0.1	0.1	0.0	0.9	0.0
TOTAL FACILITIES IMPROVEMENTS	0.7	0.6	(0.1)	3.1	0.1
TOTAL CAPITAL PROJECTS	14.7	10.1	(4.6)	21.0	10.5

Footnotes:

- 1) Central Alarm Management spanned 2005 and 2006. Project was completed on budget with a minor variance in timing.
- 2) Application Changes and VCRs were under budget in 2005 due to the reprioritization of staff on other initiatives
- 3) IOMS was planned to be initiated in 2005 however it was deferred to 2006.
- 4) Backup Infrastructure Enhancements were deferred until 2006.
- 5) MV90 Reliability was under budget in 2005 due to lower purchase costs for hardware and software as well as lower labour costs.
- 6) Telecom Expansion Program spanned 2005 and 2006 with some procurements brought forward in schedule in 2005.
- 7) RTU/Frame Relay is projected to span 2005 through to 2007. Initial procurements were made in 2005, total project is expected to be completed on budget.