

Master List - Flood Related Projects

Last Update: November 8th, 2013

PROJECT IDENTIFIERS					FINANCIAL BREAKDOWN				
Province Unique Project Number	Project/Program Name	Department	BU	Project Description	A 2013 Total Approved	B 2014 Total Approved	C Total Approved (2013 and 2014) A+B	D 2015 and Future Years	E Total C+D
I-FL2013-AB-001	Centre City Team building repairs	Community Services & Protective Services	Animal & Bylaw Services	Repair and replace the flood-damaged equipment in basement and garage	\$ 125,000	\$ 125,000	\$ 250,000		\$ 250,000
ANIMAL & BYLAW SERVICES TOTAL					\$ 125,000	\$ 125,000	\$ 250,000	\$ -	\$ 250,000
I-FL2013-FI-001	Station Flood Mitigation	Community Services & Protective Services	Fire	Implement flood prevention and mitigation measures at stations located with the flood plain (1, 2, 6, 15)	\$ 900,000		\$ 900,000		\$ 900,000
I-FL2013-FI-002	Lifecycle Maintenance - Facility (Boat Launch Repairs)	Community Services & Protective Services	Fire	Repair and rehabilitation of Boat Launches damaged during the flood.	\$ 545,000		\$ 545,000		\$ 545,000
I-FL2013-FI-002-01	Lifecycle Maintenance - Facility (Boat Launch Repairs)	Community Services & Protective Services	Fire	8th Street Boat Launch	\$ -		\$ -		\$ -

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I-FL2013-FI-002-02	Lifecycle Maintenance - Facility (Boat Launch Repairs)	Community Services & Protective Services	Fire	Cushing Bridge	\$ -		\$ -		\$ -
I-FL2013-FI-002-03	Lifecycle Maintenance - Facility (Boat Launch Repairs)	Community Services & Protective Services	Fire	Stoney Trail	\$ -		\$ -		\$ -
I-FL2013-FI-002-04	Lifecycle Maintenance - Facility (Boat Launch Repairs)	Community Services & Protective Services	Fire	Fish Creek	\$ -		\$ -		\$ -
I-FL2013-FI-002-05	Lifecycle Maintenance - Facility (Boat Launch Repairs)	Community Services & Protective Services	Fire	Fort Calgary	\$ -		\$ -		\$ -
I-FL2013-FI-002-06	Lifecycle Maintenance - Facility (Boat Launch Repairs)	Community Services & Protective Services	Fire	Greaves Bridge	\$ -		\$ -		\$ -
I-FL2013-FI-002-07	Lifecycle Maintenance - Facility (Boat Launch Repairs)	Community Services & Protective Services	Fire	Shouldice	\$ -		\$ -		\$ -

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I-FL2013-FI-002-08	Lifecycle Maintenance - Facility (Boat Launch Repairs)	Community Services & Protective Services	Fire	Bonnybrook	\$ -		\$ -		\$ -
I-FL2013-FI-003	Communication Lifecycle	Community Services & Protective Services	Fire	Replacement of telecommunication s equipment (Mike phones, radios, etc) lost / damaged in flood.	\$ -		\$ -		\$ -
I-FL2013-FI-004	Urban Search Rescue Equip	Community Services & Protective Services	Fire	Replacement of large capacity pumps damaged during the flood and purchase of inflatable dyking / berms for flood preparedness.	\$ 360,000		\$ 360,000		\$ 360,000
I-FL2013-FI-005	Personal Protective Equipment	Community Services & Protective Services	Fire		\$ 200,000		\$ 200,000		\$ 200,000
I-FL2013-FI-006	Hazardous Materials Equipment	Community Services & Protective Services	Fire		\$ -		\$ -		\$ -

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I-FL2013-FI-007	Light Fleet Lifecycle	Community Services & Protective Services	Fire	Project supports repair and replacement of support vehicles used during the flood.	\$ -		\$ -		\$ -
I-FL2013-FI-008	Emergency Units	Community Services & Protective Services	Fire		\$ 550,000		\$ 550,000		\$ 550,000
I-FL2013-FI-009	Fire Equipment Lifecycle	Community Services & Protective Services	Fire	PFD replacement; replacement of portable generator / light plant damaged during the flood.	\$ 240,000		\$ 240,000		\$ 240,000
FIRE TOTAL					\$ 2,795,000	\$ -	\$ 2,795,000	\$ -	\$ 2,795,000

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I-FL2013-RC-001	Shouldice Artificial Turf Repairs	Community Services & Protective Services	Recreation	5 significant sinkholes in Stampeder Field & 2 significant sinkholes on Encana Field. There are also multiple dimples on both fields. Geotechnical work underway. Potential substate issues caused by groundwater during the flood.	\$ 500,000	\$ 11,500,000	\$ 12,000,000		\$ 12,000,000

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I-FL2013-RC-002	Stanley Park Outdoor Pool Repairs	Community Services & Protective Services	Recreation	Admin & Change room building received large scale damage and requires significant repair. Mechanical & Electrical equipment servicing building and pool damaged and requires replacement. Geotechnical testing has identified some substrate issues that require repair around the basin. Cleaning and sanitization of buildings and basins required.	\$ 2,000,000		\$ 2,000,000		\$ 2,000,000

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I-FL2013-RC-003	Maple Ridge River Pumphouse Repairs	Community Services & Protective Services	Recreation	Electrial & mechanical systems damaged and require replacement. Pumphouse building requires evaluation by structural engineer and may require replacement.	\$ 150,000	\$ 1,200,000	\$ 1,350,000		\$ 1,350,000
I-FL2013-RC-004	Shaganappi Pumphouse Repairs	Community Services & Protective Services	Recreation	Electrical & mechanical systems damaged and require replacement. Pumphouse building requires evaluation by structural engineer and may require replacement.	\$ 500,000	\$ 1,200,000	\$ 1,700,000		\$ 1,700,000

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I-FL2013-RC-005	Glenmore Reservoir Services Repairs	Community Services & Protective Services	Recreation	Includes Canoe & Row Club. Damage to docks & equipment.	\$ -		\$ -		\$ -
RECREATION TOTAL					\$ 3,150,000	\$ 13,900,000	\$ 17,050,000	\$ -	\$ 17,050,000
I-FL2013-PA-001	Princess Island Park	Community Services & Protective Services	Public Art	Cracked Pot Foundation, Buffalo Grass and Tumbleweed" & Prairie collage" require professional cleaning & some patina worn off on collection.	\$ -		\$ -		\$ -
I-FL2013-PA-002	Calgary Zoo	Community Services & Protective Services	Public Art	Sundial requires cleaning and waxing.	\$ -		\$ -		\$ -
I-FL2013-PA-007	City Hall	Community Services & Protective Services	Public Art	Some damage and removal of 25 works in Aldermanic offices & lobby, 27 works in Office of Mayor, 16 works in City Manager's Office, 2 works in IT, 1 work in lower level lobby.	\$ -		\$ -		\$ -

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PUBLIC ART TOTAL					\$ -	\$ -	\$ -	\$ -	\$ -
I-FL2013-PK-001	Bowness Park	Community Services & Protective Services	Parks	Significant flood damage across entire park. Lagoon assessment needed.	\$ 1,650,000	\$ 600,000	\$ 2,250,000		\$ 2,250,000
I-FL2013-PK-002	Prince's Island	Community Services & Protective Services	Parks	Flood damage to hard surface, furniture, landscaping, irrigation and electrical. East end wetland; bank failure, compromised. Lagoon assessment needed.	\$ 3,050,000	\$ 1,200,000	\$ 4,250,000		\$ 4,250,000
MAJOR PARKS TOTALS					\$ 4,700,000	\$ 1,800,000	\$ 6,500,000	\$ -	\$ 6,500,000
	33 Projects	Community Services & Protective Services	Parks						
OTHER PARKS TOTALS					\$ 8,400,000	\$ 9,000,000	\$ 17,400,000	\$ 16,000,000	\$ 33,400,000
	35 Projects	Community Services & Protective Services	Parks						
PATHWAYS PARKS TOTALS					\$ 3,600,000	\$ 12,900,000	\$ 16,500,000	\$ 25,800,000	\$ 42,300,000

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	10 Projects	Community Services & Protective Services	Parks						
PARKS BUILDING TOTALS					\$ 2,542,000	\$ -	\$ 2,542,000	\$ -	\$ 2,542,000
PARKS TOTAL					\$ 19,242,000	\$ 23,700,000	\$ 42,942,000	\$ 41,800,000	\$ 84,742,000
COMMUNITY SERVICES & PROTECTIVE SERVICES TOTAL					\$ 25,312,000	\$ 37,725,000	\$ 63,037,000	\$ 41,800,000	\$ 104,837,000
I-FL2013-CP-001	Pumphouse Theatre	Community Services & Protective Services	Civic Partners	Pumphouse has their own insurance on infrastructure. City to complete structural review and geotechnical testing to determine damage to basement.	\$ 100,000		\$ 100,000		\$ 100,000
I-FL2013-CP-002	Talisman Centre	Community Services & Protective Services	Civic Partners	HVAC and other mechanical equipment damaged and requires replacement. Large scale cleaning and sanitization of facility required. Estimate closure of some amenities for 6 to 9 months.	\$ 7,300,000	\$ 2,700,000	\$ 10,000,000		\$ 10,000,000

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I-FL2013-CP-003	Calgary Zoo	Community Services & Protective Services	Civic Partners	Extensive damage to buildings, elevators, electrical & IT damaged.	\$ 31,600,000	\$ 4,200,000	\$ 35,800,000		\$ 35,800,000
I-FL2013-CP-004	Calgary Zoo	Community Services & Protective Services	Civic Partners	Extensive damage to lands	\$ 9,700,000		\$ 9,700,000		\$ 9,700,000
I-FL2013-CP-005	Calgary Public Library Central	Community Services & Protective Services	Civic Partners	Basement flooded and contents destroyed. Alarm system damaged. Public washrooms and meeting rooms in basement need to be restored.	\$ 6,500,000	\$ 1,500,000	\$ 8,000,000		\$ 8,000,000
I-FL2013-CP-007	Calgary Centre for the Performing Arts	Community Services & Protective Services	Civic Partners	Basement floor damage; cleaning & sandbags; sump pump connections, plumbing repairs & generator ventilation; service and maintenance of elevator.	\$ -		\$ -		\$ -

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I-FL2013-CP-008	Fort Calgary - Dean House	Community Services & Protective Services	Civic Partners	Stock loss (Dean House) ; damage cost could be covered by insurance.	\$ -		\$ -		\$ -
I-FL2013-CP-009	Heritage Park	Community Services & Protective Services	Civic Partners	Damage to sewer pump; damage cost could be covered by insurance. N	\$ -		\$ -		\$ -
I-FL2013-CP-010	Tourism Calgary	Community Services & Protective Services	Civic Partners	Replaced 3 boilers, electrical, pump system, and inventory.	\$ -		\$ -		\$ -
CIVIC PARTNERS TOTAL					\$ 55,200,000	\$ 8,400,000	\$ 63,600,000	\$ -	\$ 63,600,000
	50 Patrol vehicles	Calgary Police Service	CPS		\$ 1,000,000		\$ 1,000,000		\$ 1,000,000
	Police Administration Building	Calgary Police Service	CPS		\$ 7,000,000		\$ 7,000,000		\$ 7,000,000
CALGARY POLICE TOTAL					\$ 8,000,000	\$ -	\$ 8,000,000	\$ -	\$ 8,000,000
	St. Patrick's island bridge	Calgary Municipal Land Corporation	Calgary Municipal Land Corporation		\$ -		\$ -		\$ -

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I-FL2013-CMLC-001	4 th Street Underpass	Calgary Municipal Land Corporation	Calgary Municipal Land Corporation	The underpass was a completed project not yet FAC'd to the City. The underpass was completely submerged and the pump station and other electrical systems sustained significant damage.	\$ -		\$ -		\$ -
I-FL2013-CMLC-002	RiverWalk	Calgary Municipal Land Corporation	Calgary Municipal Land Corporation	Structure was adjacent to the river. until ground water recedes, the full extent of damage from settlement will not be known.	\$ -		\$ -		\$ -
I-FL2013-CMLC-003	East Village Infrastructure	Calgary Municipal Land Corporation	Calgary Municipal Land Corporation	Damage throughout East Village was sustained as a result of the flooding.	\$ -		\$ -		\$ -
CALGARY MUNICIPAL LAND CORPORATION (CMLC) TOTAL					\$ -	\$ -	\$ -	\$ -	\$ -
I-FL2013-CPB-001	Admin Building	Corporate Services	CPB	Uninhabitable, gutting and rebuilding.	\$ 6,635,000		\$ 6,635,000		\$ 6,635,000

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I-FL2013-CPB-002	Alberta Trade Center	Corporate Services	CPB	Damaged, rebuilding/replace ment required.	\$ 1,966,000		\$ 1,966,000		\$ 1,966,000
I-FL2013-CPB-003	EMS#3 - Erlton	Corporate Services	CPB	Damaged, rebuilding/replace ment required.	\$ 2,059,000		\$ 2,059,000		\$ 2,059,000
I-FL2013-CPB-004	Municipal Building	Corporate Services	CPB	Electrical, mechanical, switch gears, elevators, fire system, east side concrete restoration, carpets	\$ 12,262,000		\$ 12,262,000		\$ 12,262,000
I-FL2013-CPB-005	Old City Hall	Corporate Services	CPB	Damaged, rebuilding/replace ment required.	\$ 1,306,000		\$ 1,306,000		\$ 1,306,000
I-FL2013-CPB-006	Real Estate Buildings	Corporate Services	CPB	CHC and 3rd party CPB buildings	\$ 250,000		\$ 250,000		\$ 250,000
I-FL2013-CPB-007	Furniture & Related Equipment	Corporate Services	CPB	Furniture, AV and specialized equipment for A&BS Staff	\$ 980,000		\$ 980,000		\$ 980,000
I-FL2013-CPB-008	Other Flood Damage Related Projects	Corporate Services	CPB	Demos/cleanup/Uo fC rent/other	\$ -		\$ -		\$ -
CORPORATE PROPERTIES & BUILDINGS TOTAL					\$ 25,458,000	\$ -	\$ 25,458,000	\$ -	\$ 25,458,000

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I-FL2013-FL-001		Corporate Services	Fleet	TOTAL LOSS - Severe Damage from being submerged in water	\$ 1,139,000		\$ 1,139,000		\$ 1,139,000
FLEET TOTAL					\$ 1,139,000	\$ -	\$ 1,139,000	\$ -	\$ 1,139,000
I-FL2013-IIS-001	Riverbanks - LiDAR	Corporate Services	IIS	Previously LiDAR data collection along water courses outdated. The flood has changed every watercourse's (rivers and creeks) boundaries, banks, and property upon which ownership line work is overlaid. We will need to re-fly these rivers and creeks, collect LiDAR data, and process it. This will also require additional GBS project SME's staff time.	\$ 375,000		\$ 375,000		\$ 375,000

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	MSPS2010 - Flood Recovery Program Management System	Corporate Services	IIS	Software require for the administrative and operational aspects of diaster response.	\$ 345,000		\$ 345,000		\$ 345,000
INFRASTRUCTURE & INFORMATION SERVICES TOTAL					\$ 720,000	\$ -	\$ 720,000	\$ -	\$ 720,000
I-FL2013-IT-001	Phone Restoration	Corporate Services	IT		\$ 6,100,000		\$ 6,100,000		\$ 6,100,000
I-FL2013-IT-002	Network/Hardware Replacement	Corporate Services	IT		\$ 3,500,000		\$ 3,500,000		\$ 3,500,000
I-FL2013-IT-003	Network Restoration	Corporate Services	IT		\$ 750,000		\$ 750,000		\$ 750,000
I-FL2013-IT-004	Business Continuity	Corporate Services	IT		\$ 4,000,000		\$ 4,000,000		\$ 4,000,000
INFORMATION TECHNOLOGY TOTAL					\$ 14,350,000	\$ -	\$ 14,350,000	\$ -	\$ 14,350,000
I-FL2013-OLSH-001	OLSH Assets City Owned and City Partnership	Corporate Services	OLSH		\$ -		\$ -		\$ -
I-FL2013-OLSH-002	Additional City Owned Assets	Corporate Services	OLSH		\$ -		\$ -		\$ -
I-FL2013-OLSH-003	CHC Managed Assets	Corporate Services	OLSH		\$ -		\$ -		\$ -
OFFICE OF LAND SERVICING & HOUSING TOTAL					\$ -	\$ -	\$ -	\$ -	\$ -
CORPORATE SERVICES TOTAL					\$ 41,667,000	\$ -	\$ 41,667,000	\$ -	\$ 41,667,000
I-FL2013-TI-001	Macleod Trail N. bound (from 25th Ave to Victoria Bridge)	Transportation	TI	2 lanes washed out - bank erosion - debris	\$ 675,000		\$ 675,000		\$ 675,000
I-FL2013-TI-002	25th Avenue - between Spiller Road and Macleod	Transportation	TI	Road repair and underground utility repair	\$ 102,000		\$ 102,000		\$ 102,000

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I-FL2013-TI-003	25 Ave (Scollen Bridge)	Transportation	TI	Road repair adjacent to bridge, bridge repair and related structural, geotechnical and environmental consulting.	\$ 1,250,000		\$ 1,250,000		\$ 1,250,000
I-FL2013-TI-004	Miscellaneous Road and Transit repairs	Transportation	TI	Internal OT costs and misc internal costs for supplies	\$ 330,000		\$ 330,000		\$ 330,000
I-FL2013-TI-004-02	Highfield Road	Transportation	TI		\$ -		\$ -		\$ -
I-FL2013-TI-004-03	Erlton Street - south of 25th Ave	Transportation	TI		\$ -		\$ -		\$ -
I-FL2013-TI-004-04	Erlton Road at 25th Ave	Transportation	TI		\$ -		\$ -		\$ -
I-FL2013-TI-004-05	Memorial Drive Crossover at 19th Street NW	Transportation	TI	Crossover to be removed after Water resources has completed their work.	\$ -		\$ -		\$ -
I-FL2013-TI-004-06	22nd Avenue Cul de Sac	Transportation	TI		\$ -		\$ -		\$ -
I-FL2013-TI-005	Pedestrian bridge replacement	Transportation	TI	3 pedestrian bridges along the Elbow River to be replaced.	\$ 1,428,000	\$ 7,950,000	\$ 9,378,000		\$ 9,378,000
TRANSPORTATION INFRASTRUCTURE TOTAL					\$ 3,785,000	\$ 7,950,000	\$ 11,735,000	\$ -	\$ 11,735,000

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I-FL2013-RD-001	Traffic Signals, Street lighting and Underpass Lighting Restoration	Transportation	Roads	Restoration of Signals and Streetlight Infrastructure - various locations	\$ -		\$ -		\$ -
I-FL2013-RD-002	Traffic Sign Replacement and Lane Marking Work	Transportation	Roads	Critical sign and inventory replacement/Lane marking work - various locations	\$ -		\$ -		\$ -
I-FL2013-RD-003	Road Repairs and Sink Holes	Transportation	Roads	Approximately 200 emergency sinkholes to repair; Work on building berms, cleaning roads and other roadway repairs - various locations	\$ -		\$ -		\$ -

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I-FL2013-RD-004	Pavement and Sidewalk Reconstruction	Transportation	Roads	Detailed sub-surface investigations required, Potential full reconstruction of: MacLeod NB & SB lanes (from Elbow River to 9 Av), 11 Av SE from Olympic Way to 6 St), 25th Avenue (from MacLeod Trail to 5th Street SW), 38th Avenue (from 8A Street to Edison Crescent), and Pump House Snow Dump Site	\$ 100,000	\$ 6,900,000	\$ 7,000,000	\$ 8,535,000	\$ 15,535,000
I-FL2013-RD-005	Slope Rehabilitation	Transportation	Roads	6 known sites across the city; Inglewood site to be reported under Water Resources.	\$ 600,000	\$ 6,000,000	\$ 6,600,000		\$ 6,600,000
I-FL2013-RD-005-01	Highfield Rd SE	Transportation	Roads		\$ -		\$ -		\$ -
I-FL2013-RD-005-02	Hill Road NE	Transportation	Roads		\$ -		\$ -		\$ -
I-FL2013-RD-005-03	5 Trafford Cr NW (north of McKnight Blvd)	Transportation	Roads		\$ -		\$ -		\$ -

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I-FL2013-RD-005-04	5328 32 Ave NE (Klippert gravel pit road)	Transportation	Roads		\$ -		\$ -		\$ -
I-FL2013-RD-005-05	70 Tuscany Estates Point NW (Tuscany I)	Transportation	Roads		\$ -		\$ -		\$ -
I-FL2013-RD-005-06	41 Tuscany Hills Bay NW (Tuscany II)	Transportation	Roads		\$ -		\$ -		\$ -
I-FL2013-RD-006	Heritage Drive Reconstruction	Transportation	Roads	Reconstruction of Heritage Drive, including environmental contamination assessment	\$ -		\$ -		\$ -
I-FL2013-RD-007	Guardrails, Landscaping and Fences Repair/ Reconstruction	Transportation	Roads	Guard Rails, Landscaping, Fences, Pathways	\$ -		\$ -		\$ -
I-FL2013-RD-008	Bridge repairs, removals and evaluations (for 12 projects)	Transportation	Roads	Bridge repairs, removals and evaluations (for 12 projects)	\$ -	\$ 1,000,000	\$ 1,000,000		\$ 1,000,000
I-FL2013-RD-010	Centre St Bridge Deck Hangers Replacement	Transportation	Roads	Deck hangers replacement (Centre St Bridge)	\$ -	\$ 300,000	\$ 300,000		\$ 300,000
ROADS TOTAL					\$ 700,000	\$ 14,200,000	\$ 14,900,000	\$ 8,535,000	\$ 23,435,000

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I-FL2013-CT-001	Victoria Park Garage	Transportation	Transit	Entire site evacuated, extensive cleaning, cash processing equipment damaged	\$ 2,500,000		\$ 2,500,000		\$ 2,500,000
I-FL2013-CT-002	Erlton/Vic Park LRT Stations	Transportation	Transit	Extensive comm room & escalator damage, 2 ticket machines require replacement	\$ 1,500,000		\$ 1,500,000		\$ 1,500,000
I-FL2013-CT-003	South LRT Corridor Recovery Area including track work damage ³	Transportation	Transit	CPR/Cemetery Hill Tunnels - completely flooded, extensive cleaning, pump station, signals, ventilation switch gear destroyed, LRT signals rebuild	\$ 8,200,000		\$ 8,200,000		\$ 8,200,000
TRANSIT TOTAL					\$ 12,200,000	\$ -	\$ 12,200,000	\$ -	\$ 12,200,000
I-FL2013-CPA-001	Structure repairs	Transportation	CPA		\$ 4,638,000		\$ 4,638,000		\$ 4,638,000
I-FL2013-CPA-002	Equipment and machinery	Transportation	CPA		\$ -		\$ -		\$ -
I-FL2013-CPA-003	Surface lot repairs	Transportation	CPA		\$ -		\$ -		\$ -
CALGARY PARKING AUTHORITY TOTAL					\$ 4,638,000	\$ -	\$ 4,638,000	\$ -	\$ 4,638,000
TRANSPORTATION TOTAL					\$ 21,323,000	\$ 22,150,000	\$ 43,473,000	\$ 8,535,000	\$ 52,008,000

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	6 Critical Erosion Sites	Utilities & Environmental Protection	Water	Golder preliminary assessment complete and under review. Having internal meeting on Home Road and 52nd Street.	\$ 11,209,000	\$ 55,722,000	\$ 66,931,000		\$ 66,931,000
I-FL2013-W-001	Critical Erosion Sites - 52 Street NW Home Road	Utilities & Environmental Protection	Water		\$ -		\$ -		\$ -
I-FL2013-W-002	Critical Erosion Sites - Inglewood	Utilities & Environmental Protection	Water		\$ -		\$ -		\$ -
I-FL2013-W-003	Critical Erosion Sites - Memorial Drive at Sunnyside (curling rink)	Utilities & Environmental Protection	Water		\$ -		\$ -		\$ -
I-FL2013-W-004	Critical Erosion Sites - Memorial Drive & 19 Street	Utilities & Environmental Protection	Water		\$ -		\$ -		\$ -
I-FL2013-W-005	Critical Erosion Sites - Enmax Power Station	Utilities & Environmental Protection	Water		\$ -		\$ -		\$ -

PROJECT IDENTIFIERS					FINANCIAL BREAKDOWN				
Province Unique Project Number	Project/Program Name	Department	BU	Project Description	A 2013 Total Approved	B 2014 Total Approved	C Total Approved (2013 and 2014) A+B	D 2015 and Future Years	E Total C+D
I-FL2013-W-006	Critical Erosion Sites - Diamond Cove	Utilities & Environmental Protection	Water	Toe of slope has severe erosion. Pressure cracks and slumps have formed along the bank. Houses at the top of the bank may be in jeopardy if erosion worsens. River morphology has changed and the work being completed at the Enmax Substation 32 (one of the critical sites) may increase the stress on the bank. Length of damaged/eroded bank is approximately 400m.	\$ -		\$ -		\$ -
I-FL2013-W-007	Medium-Low Erosion Sites	Utilities & Environmental Protection	Water	Medium - Low Erosion Sites	\$ 1,110,000	\$ 2,220,000	\$ 3,330,000	\$ 51,615,000	\$ 54,945,000
	Lift Stations	Utilities & Environmental Protection	Water	Damage to lift stations	\$ 549,000	\$ 3,614,000	\$ 4,163,000	\$ 3,663,000	\$ 7,826,000

PROJECT IDENTIFIERS					FINANCIAL BREAKDOWN				
Province Unique Project Number	Project/Program Name	Department	BU	Project Description	A 2013 Total Approved	B 2014 Total Approved	C Total Approved (2013 and 2014) A+B	D 2015 and Future Years	E Total C+D
I-FL2013-W-008	Stormwater Ponds	Utilities & Environmental Protection	Water		\$ 222,000	\$ 2,131,000	\$ 2,353,000	\$ 2,486,000	\$ 4,839,000
I-FL2013-W-009	River Crossings	Utilities & Environmental Protection	Water	River Crossing - Damage unknown awaiting for water levels to recede Estimate is based on ASSESSMENT ONLY not repairs	\$ 278,000	\$ 776,000	\$ 1,054,000	\$ 16,426,000	\$ 17,480,000
I-FL2013-W-010	Outfalls	Utilities & Environmental Protection	Water	To Be assessed: Klohn Krippen Berg engaged. Scope of work issued for flood recovery assessments. The list includes outfalls in Bow and Elbow Rivers. The list will be updated to include assessment of outfalls in Fish Creek, Nose Creek and Glenmore Reservoir.	\$ 222,000	\$ 1,465,000	\$ 1,687,000	\$ 3,996,000	\$ 5,683,000

PROJECT IDENTIFIERS					FINANCIAL BREAKDOWN				
Province Unique Project Number	Project/Program Name	Department	BU	Project Description	A 2013 Total Approved	B 2014 Total Approved	C Total Approved (2013 and 2014) A+B	D 2015 and Future Years	E Total C+D
	River Clean Up	Utilities & Environmental Protection	Water	Currently going through the procurement process for Elbow River Clean-up. Negotiating a fee with Standard General however the contract will be paid by force account. Regulatory approvals received for Elbow River Clean-Up. Still getting a variance for work past Sept 15.	\$ -		\$ -		
	Bonnybrook	Utilities & Environmental Protection	Water		\$ 17,331,000		\$ 17,331,000		
WATER RESOURCES & WATER SERVICES TOTAL					\$ 30,921,000	\$ 65,928,000	\$ 96,849,000	\$ 78,186,000	\$ 175,035,000

PROJECT IDENTIFIERS				
Province Unique Project Number	Project/Program Name	Department	BU	Project Description
I-FL2013-WRS-001	Residential Blue and Black Carts	Utilities & Environmental Protection	Waste & Recycling	It is estimated that many single-family residents in the flood-plain lost there blue and/or black carts during the flood event. Replace, repair and delivery will be required to reinstate services in the impacted areas
WASTE & RECYCLING SERVICES TOTAL				
UTILITIES & ENVIRONMENTAL PROTECTION TOTAL				
CORPORATE TOTAL				

FINANCIAL BREAKDOWN				
A 2013 Total Approved	B 2014 Total Approved	C Total Approved (2013 and 2014) A+B	D 2015 and Future Years	E Total C+D
\$ -		\$ -		
\$ -	\$ -	\$ -	\$ -	\$ -
\$ 30,921,000	\$ 65,928,000	\$ 96,849,000	\$ 78,186,000	\$ 175,035,000
\$ 182,423,000	\$ 134,203,000	\$ 316,626,000	\$ 128,521,000	\$ 445,147,000