

SPECIAL RECOVERY CAPITAL PROJECTS

June 28, 1983

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I THE PROGRAM

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BUDGET GOALS

APRIL 19, 1983

- Spur rapid recovery throughout economy
- Make recovery durable and lasting

BUDGET: SPECIAL RECOVERY PROGRAM

- Special Recovery Capital Projects
- Special Recovery Incentives for Private Investment
 - Federal investment tax credit changes
 - Special Recovery Investment Fund (\$300 million)
 - Special Recovery Export Financing Fund (\$180 million)

SPECIAL RECOVERY CAPITAL PROJECTS

OBJECTIVES

- Important part of budget thrust to reinforce recovery and assist productivity and competitiveness
- Federal leadership to build momentum, encourage investment by provinces and private sector
- Short-term stimulus to economic activity
- Long-term contribution to economic and regional development

SPECIAL RECOVERY CAPITAL PROJECTS

ELEMENTS

- Initiation/acceleration of capital projects (construction and procurement)
- Emphasis on pulling forward projects planned for future years
- Total cost of projects \$2.4 billion over 4 years, with \$1.7 billion in incremental funding over 3 years
- Projects generally to start within 6 months, with 60% of spending within 2 years.

<u>SECTORAL DISTRIBUTION</u>	(\$ MILLIONS)	(\$ MILLIONS)
	<u>BUDGET PROJECTION</u>	<u>CURRENT ALLOCATION</u>
◦ Transportation Facilities	650	699
◦ Shipbuilding	630	638
◦ Research and Training Facilities	290	306
◦ Advanced Technology Procurement	180	150
◦ Land and Tourism Development	220	184
◦ Resource Development	170	192
◦ Other Projects	60	52
◦ Allocation Pending	<u>200</u>	<u>165</u>
	<u>2400</u>	<u>2386</u>

IMPLEMENTATION GUIDELINES

- Maximum Canadian content
- Competitive procurement
- Maximum contracting out
- Minimum Public Service growth
- Project delivery on time and on budget
- Pursuit of spirit of 6 and 5

II MANAGEMENT STRUCTURE

- PRIORITIES AND PLANNING SUB-COMMITTEE
- SPECIAL RECOVERY CAPITAL PROJECTS BOARD
- SPECIAL RECOVERY CAPITAL PROJECTS BOARD SECRETARIAT
- PROGRAM DEPARTMENTS
- SUMMARY

PRIORITIES AND PLANNING SUB-COMMITTEE

- Chairman - Hon. Donald J. Johnston
- Members - Hon. John Roberts (Vice-Chairman)
 - Hon. Allan J. MacEachen
 - Hon. Herb Gray
 - Hon. Marc Lalonde
 - Hon. Roméo LeBlanc
 - Hon. Jean-Jacques Blais
 - Hon. Yvon Pinard
 - Hon. Jack Austin
- Role
 - oversees program
 - provides policy direction

SPECIAL RECOVERY CAPITAL PROJECTS BOARD

- Chairman - Ray Hession
Deputy Minister, Supply
Supply and Services Canada
- Members - D.B. Dewar
Deputy Minister
Department of National Defence

A. Kroeger
Secretary
Ministry of State for Economic Development

J.A.H. Mackay
Deputy Minister
Public Works Canada

W.R. Teschke
Deputy Minister
Industry, Trade and Commerce/
Regional Economic Expansion

R.M. Wither's
Deputy Minister
Transport Canada
- Observers - Privy Council Office, Department of
Finance, Treasury Board Secretariat
- Role - reports to and supports P & P Sub-Committee

- manages the program

- recommends remedial action on identified
obstacles

SPECIAL RECOVERY CAPITAL PROJECTS BOARD SECRETARIAT

- Executive Director - Robert D. Weese
- Composition - secondees from departments and contract personnel from private sector (total 20)
- Role - supports Board, assists departments
 - 5 functional areas:
 - (1) project monitoring and reporting
 - (2) project management advisory services
 - (3) projects resourcing (personnel) services
 - (4) contracts advisory services
 - (5) communications

PROGRAM DEPARTMENTS

- Responsible for project management and accountable for project results.

MANAGEMENT STRUCTURE

SUMMARY

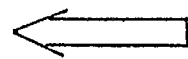
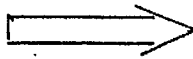
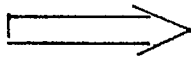
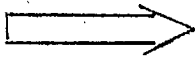
Priorities
and Planning
Sub-Committee

Special Recovery
Capital Projects
Board

Special Recovery
Capital Projects
Board Secretariat

Projects

Departments
and
Agencies



III FAST TRACK PROCESS

- PROCEDURES
- FAST TRACK TIME SAVINGS
- PROJECT MANAGEMENT ADVISORY GROUP
 - OBJECTIVES
 - KEY FACTORS
- FAST TRACK BOTTOM LINE
- CONTROLS REMAIN IN PLACE

FAST TRACK PROCEDURES

- Preliminary Project Approval Authority assigned by Treasury Board to Sub-Committee Chairman
- Accelerated competitive process for acquisition of professional and consulting services
- Fast turnaround by Treasury Board on Effective Project Approval
- Increased approval authority to departments for competitively awarded contracts
- Accelerated procedures within departments for reviews and approvals

FAST TRACK
TIME SAVINGS

<u>COMPONENT</u>	<u>SAVINGS</u>
° Preliminary Project Approval	75%
° Development/ Design Time	25%
° Effective Project Approval	66%
° Contract Approval	50%
° Departmental Approvals	50%

PROJECT MANAGEMENT ADVISORY GROUP (PMAG)

OBJECTIVES

- Identify constraints to SRCP objectives at project and departmental level
- Propose remedial action plans
- Make available project management expertise to SRCP Board and departments
- Assess for Board the impact on SRCP program of current government processes

KEY FACTORS IN FAST TRACK REVIEWS BY PMAG

- Administration processes
- Approval processes
- Organizational arrangements
- Organization of the work
- Planning of the project and its work
- Estimating time and cost
- Resource planning
- Contracting arrangements
- Performance measurement and cost control provisions
- Reviews and reporting
- Other considerations

FAST TRACK BOTTOM LINE

- Average time from Preliminary Project Approval to shovels in ground cut from 10 months to 6 months

BASIC CONTROLS REMAIN IN

PLACE WITH FAST TRACK PROCESS:

- Effective Project Approval
by Treasury Board
- Cost Overrun Controls
- Etc.

IV THE PROJECTS

- SECTORAL DISTRIBUTION
- TRANSPORTATION FACILITIES
- SHIPBUILDING
- RESEARCH AND TRAINING FACILITIES
- ADVANCED TECHNOLOGY PROCUREMENT
- LAND AND TOURISM DEVELOPMENT
- RESOURCE DEVELOPMENT
- OTHER PROJECTS
- STATUS OF PROJECTS
- STATUS OF PROGRAM RESOURCES

<u>SECTORAL DISTRIBUTION</u>	(\$ MILLIONS)	(\$ MILLIONS)
	<u>BUDGET PROJECTION</u>	<u>CURRENT ALLOCATION</u>
◦ Transportation Facilities	650	699
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	<u>2400</u>	<u>2386</u>

TRANSPORTATION FACILITIES

- ° Airports
- ° Ports, Wharves, Harbours
- ° Highways
- ° Railway and Other Improvements

SHIPBUILDING

- Coast Guard Vessel Acquisition and Refit
- Electronic Survey Vessel
- 'Tsekoa' Vessel Replacement

RESEARCH AND TRAINING FACILITIES

- Atlantic Provinces Veterinary and Aquamarine College
- Coast Guard College
- Forestry Research Centres
- Pulp and Paper Research Facilities
- Fluid Bed Minerals Research Facility
- Biotechnology Research Centre
- Office Technology Research Centre
- Toxicology Research Centre
- Food Processing Research Institute
- Fisheries Research Centre
- Manufacturing Science and Production Institute
- NRC Prairie Lab

ADVANCED TECHNOLOGY PROCUREMENT

- Ice Reconnaissance
- DND Communications
- Office Automation - Palais des Congrès
- Air Navigation Systems

LAND AND TOURISM DEVELOPMENT

- Waterfront Development
- Office Building Construction / Restoration
- Core Development
- Sewage Treatment
- National Park Improvements

RESOURCE DEVELOPMENT

- Water Bombers
- Fisheries Service Centres
Fish Unloading / Ice Making
Bait Storage / Salt Fish Facilities
- Livestock Show Facility
- Prairie Water Project

OTHER PROJECTS

- DND Clothing
- Native Community Infrastructure

PROJECTS: STATUS AS OF JUNE 28, 1983

	<u>Aggregated</u>	<u>Disaggregated</u>
◦ Projects given Preliminary Project Approval	121	242
◦ Projects within Departmental Authority (Treasury Board approval not required)	3	16
◦ Projects given Effective Project Approval to date	23	111
◦ Projects still requiring Effective Project Approval	95	115
◦ Additional Effective Project Approvals Scheduled:		
- by June 30:	6	18
- July 1 - August 31	42	50
- after August	37	37
◦ Projects with Effective Project Approval not yet scheduled	10	10

PROGRAM RESOURCES: STATUS AS OF JUNE 28, 1983

° Total Program Costs (4 years)	(\$ millions)
- April 19 Budget	2400
- Planned and approved to date	<u>2221</u>
° SRCP Supplementary Resources	
- April 19 Budget	1710
- Committed plus planned	<u>1545</u>
- Balance	<u>165</u>

Industry, Trade and Commerce	Industrie et Commerce
JULY 14 1983	
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SPECIAL RECOVERY CAPITAL PROJECTS

PROJECT MASTER LIST

June 28, 1983

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- VI RESOURCE DEVELOPMENT
- VII OTHER PROJECTS

INTRODUCTION

Background

The \$2.4 billion Special Recovery Capital Projects Program is one element of a broader effort by the federal government embodied in the Budget to foster recovery and strengthen the Canadian economy. The Program consists of over one hundred projects in which the government is constructing, expanding or improving public facilities and providing services that will substantially assist expansion by the private sector in the longer-term.

These projects are being initiated and brought to completion as rapidly as possible so that maximum employment benefits may occur in the short term. In the case of construction work, the goal is to bring projects rapidly to a stage at which continuous construction activity is proceeding on the sites concerned. In the case of the government's procurement, equipment and material, much of a high-technology nature, is being ordered on an expedited basis.

All of the Special Recovery Projects are being put on a "fast track" to ensure their rapid start-up, development and completion. The Minister of State for Economic Development, the Honourable Donald J. Johnston, has been given overall responsibility for the Special Recovery Capital Projects Program. He is assisted by a special sub-committee of the Cabinet Committee on Priorities and Planning and by the Special Recovery Capital Projects Board, headed by Ray Hession, Deputy Minister of Supply, Department of Supply and Services. The Board is acting to put project approvals, tendering and contracting procedures on a fast track and assist departments and agencies to move quickly on the projects selected. It is also acting to cut through obstacles to quick implementation and troubleshoot as problems develop.

Of the \$2.4 billion allocated for Special Recovery Projects, \$1.7 billion is an injection of new money to accelerate selected projects planned by departments for later in the decade. Some \$700 million had previously been budgeted in departmental operating plans for these projects over the next four years.

Project Master List

This document provides summary information on approved projects under the Special Recovery Capital Projects Program. The grouping of projects reflects the sectoral distribution outlined in the April 19 Budget.

For each project, information is provided on its location (if applicable), its major features or benefits, and its costs. Costs represent total anticipated expenditures of the federal government over the four-year life of the project. Projects involving financial participation of other parties such as provincial governments are marked with a "*". In those cases, the figure noted is the federal contribution to the project.

The relevant lead department or agency is also listed. For more detailed information on specific projects, inquiries should be directed in the first instance to the department or agency identified.

Information is also available from:

Special Recovery Capital
Projects Board Secretariat
Room 0A1, Place du Portage
Ottawa, Ontario
K1A 0S5
(819) 994-2241

SPECIAL RECOVERY CAPITAL PROJECTS

I TRANSPORTATION FACILITIES (\$699 million)

Government investments in this sector will substantially improve Canada's transportation network through highway construction, port expansion and improvement, railway upgrading and the provision of new airport facilities. Projects include the creation of new deepwater ports and other harbour facilities, strengthening of runways and construction of terminal buildings at several airports, railway grade separations and road improvements at a number of locations. The benefits provided by these projects include faster and more efficient movement of people and goods as the Canadian economy recovers and grows. Special Recovery Capital Projects thus add further improvements to Canada's transportation system.

Approved projects in this area include:

1. Airports (Transport Canada)

Brandon, Man. \$6 million	Completion of pavement restoration and extension to meet air carrier needs
Dorval, Que. \$50 million	Improvement of buildings, city-side access roads, signalling and lighting; replacement of apron, resurfacing of runway; construction of public parking and office space
Earlton, Ont. \$1.7 million	Repair of runway, overlaying of taxiway "A" and apron
Fort Frances, Ont. \$2 million	Runway paving
Fort McMurray, Alta. \$27 million	Construction of firehall, new terminal and improvements to existing runway surfaces
Frobisher Bay, N.W.T. \$6 million	Construction of new air terminal building
Hamilton, Ont. \$44.2 million	Acceleration of airport expansion and upgrading
Inuvik, N.W.T. \$9 million	Expansion and modification of existing terminal, airside and groundside expansion
Kamloops, B.C. \$7 million	Construction of new air terminal complex, expansion of parking facilities, strengthening of aircraft parking apron

Kapuskasing, Ont. \$1.8 million	Construction of a new terminal, access and service roads, carpark, security services and associated utilities
Kenora, Ont. \$.5 million	Repairs to taxiway and apron
London, Ont. \$1.8 million	Reconditioning of wells, construction of sewage systems, asbestos removal, upgrading of electrical power system
North Bay, Ont. \$4 million	Removal of asbestos, development of general aviation area, replacement of terminal roof, installation of elevators, upgrading of electrical power system, replacement of approach lights
Pemberton, B.C. \$.4 million	Upgrading of airport runway
Pembroke, Ont. \$1 million	Construction of runway extension, parallel taxiway, service road extension and relocation of aviation gas
Prince Albert, Sask. \$1.5 million	Provision of air terminal facilities and improvement of water services
Red Lake, Ont. \$1 million	Repair of taxiway and access roads, lighting of parking area
Regina, Sask. \$6 million	Construction, extension and renovation of taxiways
St. Catharines, Ont. \$.5 million	Repair and overlaying of runways and taxiway
St. Hubert, Que. \$3.5 million	Resurfacing of runways, reconstruction of perimeter road
Saint John, N.B. \$2 million	Air terminal building and runway improvements
Sault Ste. Marie, Ont. \$10 million	Expansion of air terminal building, asbestos removal and re-insulation of equipment garage, replacement of grader, construction of addition to firehall
Sioux Lookout \$1.6 million	Replacement of existing flight service station and provision of terminal facilities
Thunder Bay, Ont. \$11 million	Improvement of utilities, services and roads

Timmins, Ont. \$4 million	Three-bay addition to equipment garage, development of new general aviation area, replacement of firehall doors, reconstruction of runway
Toronto, Ont. \$14 million	Replacement of pavement structures and Flight Information System (FIDS) equipment, expansion of computer control, airside terminal and groundside restoration and improvement.
Windsor, Ont. \$5 million	Firehall addition; runway repairs; resurfacing of carpark, apron 1 and taxiways A and B; upgrading of water and electrical systems
Vancouver, B.C. \$7 million	Repairs and renovations, installation of parking lot, provision of helipads

2. Marine Improvements

(a) Small Craft Harbours (Fisheries and Oceans Canada)	Benefits derived from small craft harbour projects include improved safety of fishermen and recreational boaters, protection of vessels from damage, rapid unloading of fish catches and increased tourism. Services include breakwaters, berthing facilities, unloading systems, haul-out facilities, dredging, and shore facilities such as parking, storage space, lighting and fuel.
Newfoundland \$21 million	Bonavista, Codroy, Cow Head, Fogo Island, Gooseberry Cove, Green Island Brook, Harbour Grace, Heart's Content, Jackson's Arm, L'Anse-au-Loup, Makkovick, Port-aux-Basques, Port-au-Choix, Punch Bowl, St. Bride's, Smokey, Trout River
New Brunswick \$10 million	Dipper Harbour, Pointe Sapin
British Columbia \$7.8 million	French Creek, Hartley Bay, Port McNeil, Prince Rupert, Sointula
Nova Scotia \$25.4 million	Alder Point, Ballantyne's Cove, Barrio's Beach, Bayfield, Baxter's Cove, Bay St. Lawrence, Canso, Chegoggin Point, Cheticamp, Cheticamp Point, Dennis Point, Dingwall, Falls Point, Forchu, Glace Bay, Half Island Cove, Ingonish North, Larry's River, Little River, Livingstone's Cove, Lovesburg, Mabou, Meteghan, Murphy's Pond, Neil's Harbour, New Harbour, Petit de Gras, Port Maitland, Port Morien, West Head, Wedgepoint

Prince Edward Island \$8.8 million	Egmont Bay, Graham's Pond, Launching Pond, Miminegash, Naufrage, North Lake
Québec \$25 million	Anse-à-Beaufils, Anse-à-Valleau, Cap-aux-Meules, Cap Chat, Gascons, Grande Rivière, Ile d'Entré, Matane, Old Harry, Rivière-au-Renard, St-Godefroi, Ste-Therèse de Gaspé, Tourelles
Ontario \$27.3 million	Belleville, Brockville, Cobourg, Cornwall, Gananoque, Leamington, Mississauga, North Channel/Manitoulin, Owen Sound, Port Dalhousie, Port Dover, Port Franks, South Lake Simcoe; Ontario float and timber replacement, signage, hydrographic charting

(b) Other Marine Improvements
(Transport Canada unless otherwise indicated)

Barge Terminal Campbell River, B.C. \$2.1 million	Construction of sheet-steel pile bulkhead, enclosing ramps; acquisition of land
Wharf Cartwright, Nfld. \$1 million	Extension of existing wharf to accommodate larger ships
Port Development Chatham/Newcastle, N.B. \$10 million	Construction of new wharf and shed, Chatham; extension of wharf and shed Newcastle
Port Relocation Chicoutimi, Que. \$27 million	Relocation of port facilities to Grande-Anse (open to year-round navigation); construction of wharf, cargo shed and administration building; development of cargo and storage area (Ports Canada)
Container Terminal Corner Brook, Nfld. \$10 million	Construction of new container terminal and access road at Church Cove, Corner Brook
Wharf Digby, N.S. \$5.5 million	Acquisition of land, development of surface areas, construction of wharf extension
Graving Dock Esquimalt, B.C. \$8.5 million	Rehabilitation of landing wharf, replacement of crane, expansion of parking facilities (Public Works Canada)

East Port Complex Hamilton, Ont. \$8 million	Development of reclaimed land in Hamilton Harbour into active shipping facilities
Wharf Mulgrave, N.S. \$10.2 million	Extension of wharf, provision of land for storage and wharf services
Barge Terminal Port Hardy, B.C. \$2 million	Development of barge terminal at Bear Cove, Port Hardy
*Port Relocation Sept-Îles, Qué. \$36 million	Construction of wharf, dykes, embankments and shed; development of storage area; provision of electricity, sewer and water services (Ports Canada)
Welland Canal Rehabilitation Welland, Ont. \$6 million	Repair of concrete in locks of the Welland Canal
*Seawall Repairs Windsor, Ont. \$1.2 million	Construction of steel piling and rockfill seawall on Detroit River for shoreline protection at Assumption Centennial Park
*West End Marina Windsor, Ont. \$.5 million	Development of a marina on Detroit River

3. Surface Transportation Facilities
(Transport Canada unless otherwise indicated)

(a) Highways

Newfoundland

*Burgeo Road \$5 million	Upgrading and paving
*Conception Bay Bypass \$9 million	Arterial construction -- Trans-Canada Highway to Manuel's River Bridge
*Gander Access Road \$1.8 million	Road construction -- Trans-Canada Highway to proposed Gander Industrial Park

*L'Anse-au-Meadow Road
\$5 million

Upgrading and paving of Route 436 from Route 430 toward L'Anse-au-Meadow

*Trans-Labrador Highway
\$14 million

Road construction -- Labrador City to Churchill

New Brunswick

*Routes 8, 11 and 17
\$42 million

Reconstruction and upgrading

Alberta

Trans-Canada Highway
Banff National Park
\$50.2 million

Four-laning of Trans-Canada Highway from Minnewanka Traffic Circle to the Sunshine Village Access Road (Public Works Canada)

British Columbia

Highway No. 4
Pacific Rim National Park
Vancouver Island, B.C.
\$5 million

Reconstruction of Highway No. 4 in Pacific Rim National Park (Environment Canada)

Yukon

Carcross-Skagway Road
\$7.3 million

Reconstruction and upgrading between km 106 and km 159 (Indian and Northern Affairs Canada)

Dempster Highway
\$29 million

Reconstruction (km 0-125) and completion (km 125-645) (Indian and Northern Affairs Canada)

(b) Railway Stations

(VIA Rail)

Gare du Palais
Québec, Qué.
\$24 million

Track construction and renovation of station

Sudbury, Ont.
\$2 million

Upgrading of station and construction of inter-modal (intercity bus) facilities

Union Station
Toronto, Ont.
\$3 million

Upgrading of facade, doorways, lighting, signage,
train shed, installation of escalators

(c) Railway Grade Separations

*Kingston, Ont.
\$3.4 million

Construction of subway to carry Gardiner's Road
under CNR tracks

*London, Ont.
\$2 million

Reconstruction of two highway overpasses
at Hyde Park and Sarnia Roads

*Mississauga, Ont.
\$2.5 million

Construction of grade separation to carry Derry
Road under CPR tracks

*Richmond Hill, Ont.
\$4.4 million

Construction of subway to carry Markham Road
under CNR tracks at Richmond Hill

*Scarborough, Ont.
\$3 million

Construction of grade separation to carry four-
lane road under tracks with allowance for four
future tracks at Brimley Road

*Thunder Bay, Ont.
\$3.1 million

Construction of subway to carry Grenville Avenue
under railway and to provide improved access
to waterfront

*Toronto, Ont.
\$.5 million

Reconstruction of existing Dundas Street West bridge
-- four lanes over six tracks

(d) Bus Terminal

Windsor, Nfld.
\$.3 million

Renovation, improvement of access for handicapped

II SHIPBUILDING (\$638 million)

Canada's marine construction yards, skills and technology constitute a valuable national resource. Projects approved under the Special Recovery Capital Projects Program are designed to aid the long-term development of Canada's marine construction industry while taking advantage of short-run spare capacity to meet important needs.

Approved projects in this area include:

Coast Guard Vessels \$630 million	Construction of one Type 1200 heavy icebreaker, six Type 1100 tenders for supply of navigation aids and icebreaking, two Type 1050 tenders for navaid supply and icebreaking, two Type 800 small navaid tenders and a number of small shore-based craft; refitting and modernization of three existing icebreakers (Transport Canada)
Electronic Survey Vessel \$5.6 million	Construction of state-of-the-art survey vessel to chart Atlantic seasonal ports. This responds to industry needs for improved harbours for fisheries vessels and coastal shipping (Fisheries and Oceans Canada)
'Tsekoa' Vessel Replacement \$2.7 million	Construction of new vessel to serve as coastal workboat on British Columbia coast (Fisheries and Oceans Canada)

III RESEARCH AND TRAINING FACILITIES (\$306 million)

Excellence in scientific research as well as product and process innovation is essential to Canada's international competitiveness. A major thrust of the Special Recovery Capital Projects Program is the establishment or expansion of a variety of research and training facilities across the country which will upgrade skills, foster Canadian expertise, and increase productivity in a number of important sectors.

Approved projects in this area include:

- | | |
|---|--|
| *Atlantic Provinces
Veterinary and
Aquamarine College
Charlottetown, P.E.I.
\$18.25 million | Contribution towards construction of a veterinary
teaching facility (Agriculture Canada) |
| Fluid Bed Minerals
Research Centre
Chatham, N.B.
\$15 million | Construction of a fluid bed minerals research
facility. The project is a major contribution to
Canadian mining technology (Regional Industrial
Expansion Canada) |
| *Maritime Forest Research
Centre
Fredericton, N.B.
\$22 million | Construction of a laboratory office complex. The
project will foster increased coordination and
integration of forestry research in Atlantic Canada
(Environment Canada) |
| *Toxicology Research
Centre
Guelph/Toronto, Ont.
\$10 million | Construction of a new institute. Human health,
agriculture and the environment are all influenced
by the use of chemicals and pesticides.
Projects at the centre will help develop a better
understanding of the effect of these products
(Environment Canada) |
| Office Technology
Research Centre
Laval, Qué.
\$11 million | Establishment of centre for office automation
research. The centre will help develop Canadian
expertise and competitiveness in the growing market
for office communications products and systems, a
vital sector for the fulfillment of Canada's long-
range economic goals (Department of
Communications) |
| Fisheries Research Centre
Mont Joli, Qué.
\$20 million | Construction of facilities for oceanographic and
other fisheries-related research (Fisheries and
Oceans Canada) |

NRC Biotechnology Research Centre Montreal, Qué. \$61 million	Construction of a national centre for research into biotechnology. The centre will focus on biotechnological research of importance to Canadian industry, including animal vaccines and diagnostic chemicals, bacterial ore leaching, pest control and genetic engineering (National Research Council)
Pulp and Paper Research Facilities Pointe-Claire, Qué. \$2 million	Expansion of the Pulp and Paper Research Institute of Canada (PPRIC) facilities at Pointe Claire, Québec. This expansion as well as the construction of PPRIC facilities in Vancouver are part of a joint industry-government plan to spur technological development and innovation in the sector (Regional Industrial Expansion Canada)
Laurentian Forest Research Centre Ste-Foy, Qué. \$10 million	Expansion and upgrading of existing facilities. The centre's forest production program developed the bacillus thuringiensis (B.T.) as an alternative to chemical control of spruce budworm in environmentally sensitive areas (Environment Canada)
Food Processing Research Centre Ste-Hyacinthe, Qué. \$30 million	Funding to construct facilities for food research. Results achieved here will support the growth and diversification of the food industry throughout the country (Agriculture Canada)
Prairie Regional Laboratory Saskatoon, Sask. \$6 million	Expansion of NRC Prairie Regional Laboratory building to house the western centre of the national biotechnology program (National Research Council)
Great Lakes Forest Research Centre Sault Ste. Marie, Ont. \$13 million	Construction of major addition to augment centre's research capacity (Environment Canada)
Coast Guard College Expansion Sydney, N.S. \$17 million	Expansion of residential accommodation (241 berths) and necessary structural alterations to existing administration building (Transport Canada)
New Pulp and Paper Research Facilities Vancouver, B.C. \$15 million	Construction of new facilities for the Pulp and Paper Research Institute of Canada (PPRIC) in B.C. (Regional Industrial Expansion Canada)

Pacific Forest
Research Centre
Victoria, B.C.
\$14 million

Construction of addition to the existing structure and other alterations. The centre is noted for its work on seedling growth and root diseases (Environment Canada)

Institute for
Manufacturing Technology
Winnipeg, Man.
\$41.4 million

Construction of a new NRC Laboratory for applied research and development in computer-aided design, robot mechanisms and sensors, artificial intelligence and flexible manufacturing systems (National Research Council)

IV ADVANCED TECHNOLOGY PROCUREMENT (\$150 million)

Government procurement can help companies achieve economies of scale in production and thus increase their productivity and international competitiveness. Projects approved under the Special Recovery Capital Projects Program in this area are intended to improve Canada's productive capacity in advanced technology products, while filling vital public needs. A further benefit is demonstration to potential foreign customers of Canadian capability.

Approved projects in this area include:

Air Navigation Systems \$25 million	Fitting of distance-measuring equipment ("DME beacons") at 90 locations with Canadian-made test units; replacement of tube-type instrument landing systems (ILS) with solid-state instrumentation; provision of solid-state very high frequency (VHF) transmitters and receivers for air-ground communication; procurement of approximately 100 ILS signal analysers (Transport Canada)
DND Advanced Technology Communications (5 locations) \$65.3 million	Procurement and installation of high frequency air/ground/air radio equipment; replacement of obsolete and high-maintenance-cost receivers with modern equipment; procurement of three search-and-rescue repeaters; production and installation of two SARSAT local user terminals; replacement of existing microwave equipment (National Defence)
Ice Reconnaissance System \$36.6 million	Purchase of deHavilland DASH-7 Ranger for iceberg surveillance. This procurement will significantly assist the development of Canada's off-shore resources (Environment Canada)
Search-and-Rescue Helicopter Update Arnprior, Ont. \$20 million	Modifications to three search-and-rescue helicopters. The project will improve the search-and-rescue capacity of the Canadian Forces (National Defence)
Office Automation Demonstration Palais des Congrès Montreal, Que. \$3 million	Phase II of the automation of the Palais des Congrès. The project, which involves the use of Telidon, exhibits Canadian capability in office communication systems technology (Department of Communications)

V LAND AND TOURISM DEVELOPMENT (\$184 million)

Redevelopment of urban lands can have a major catalytic effect in triggering related private sector investment as well as provide stimulus to a number of sectors such as construction and retailing. Special Recovery Capital Projects in this area provide assistance to a number of centres across the country in this context.

Approved projects in this area include:

Portsite Redevelopment Chicoutimi, Quebec \$8 million	Redevelopment of vacated port area -- see Port Relocation, Chicoutimi under Transportation Facilities, Marine Improvements (Public Works Canada)
New Federal Office Building Halifax, N.S. \$5 million	Acquisition by lease/purchase financing of a new federal office building on a waterfront site in downtown Halifax (Public Works Canada)
Harbour Louisbourg, N.S. \$2 million	Reclamation of Louisbourg waterfront property including cleanup and restoration
Vieux Port de Montreal Montréal, Qué. \$40 million	Various renovation and construction projects including pedestrian walkways, roadways, green areas, an administration building and water service (Public Works Canada)
*Mulgrave and Canso Industrial Park Mulgrave, N.S. \$1 million	Development of 30 hectare marine industrial park on former Acadia fish plant site (Regional and Industrial Expansion)
New Waterford Beautification New Waterford, N.S. \$1.9 million	Reclamation of two old mine sites and the development of two park/recreation areas. (Cape Breton Development Corporation)
*Sewage Treatment Plant Niagara Falls, Ont. \$3 million	Secondary sewage treatment system (Environment Canada)
Vieux Port de Québec Québec, Qué. \$7 million	Construction of a multi-storey parking lot and a commercial building to house offices, vessel repair and sail weaving workshops (Public Works Canada)

*Stratford Festival Expansion Stratford, Ont. \$2 million	Expansion of facilities of Festival and Avon Theatres (Department of Communications)
*Algonquin Road Sewer and Water Services Sudbury, Ontario \$2.5 million	Construction of gravity sanitary sewers, service connections, 3 sewage pumping stations, force mains
Cape Breton County Municipal Building Sydney, N.S. \$2 million	Construction of new office building (Cape Breton Development Corporation)
Pukaskwa National Park Thunder Bay, Ont. \$2 million	Construction of a marine facility including a public boat launch and parking area, docks, haul-out facility (Environment Canada)
Harbourfront Toronto, Ont. \$23.8 million	Construction of parking garage, marina pier, waterfront promenade, development of open and green areas, refurbishment of heritage structures, contribution toward development of arts centre (Public Works Canada)
Vancouver Waterfront Vancouver, B.C. \$7.8 million	Provision of access and services to Canada Harbour Place and Vancouver waterfront (Canada Harbour Place Corporation)
Federal Office Building (Block 15) Vancouver, B.C. \$40 million	Restoration and renovation of heritage building at Vancouver City Block 15 (Public Works Canada)
Water and Sewer Projects Pacific Rim National Park Vancouver Island, B.C. \$11 million	Upgrading water and sewage facilities in communities adjacent to Pacific Rim National Park (Regional Industrial Expansion Canada)
Welland Canal Lands Development Welland, Ont. \$5 million	Redevelopment of the former Welland Canal property into a major commercial/tourism/ recreation complex (Public Works Canada)
*Core Area Development Winnipeg, Man. \$20 million	Redevelopment of Portage Area in downtown Winnipeg (Regional Industrial Expansion Canada)

VI RESOURCE DEVELOPMENT (\$192 million)

Projects in this area are designed to alleviate constraints on the development of resources in the forestry, fishing and agriculture sectors.

Approved projects in this area include:

1. Forestry

One of Canada's most important export producers, the forest products industry has been a primary generator of income and employment throughout our history. Hard hit by world recession, the sector faces constraints to its development including (i) an unsatisfactory knowledge base in forestry, processing and new product development; (ii) threats to the resource posed by fire, insects and disease and (iii) serious shortages of skilled manpower at all levels, including scientific, technical, professional and trades in operations and woods labour.

The government's forestry research centre initiatives (which are described more fully under Research and Training Facilities) constitute a major step in addressing these concerns. Under the Special Recovery Capital Projects Program, the federal government is expanding and/or substantially upgrading its Maritime, Laurentian, Great Lakes and Pacific Forest Research Centres as well as contributing to expansion of facilities of the Pulp and Paper Research Institute in Pointe-Claire, Québec and to the establishment of new PPRIC facilities in Vancouver. Another notable investment is the following:

*Water Bombers
National Fleet
\$147.4 million

Under a cooperative supply agreement with the provinces, the federal government will purchase four CL-215 Canadair water bombers for use in the Yukon and Northwest Territories and up to 16 planes on a one-on-one matching basis with the provinces (Environment Canada)

2. Food and Agriculture

One of Canada's strongest sectors, Canada's food producers will benefit from government projects to strengthen the industry's knowledge base and provide key infrastructure. The government's research centre initiatives in veterinary science, food processing and toxicology (which are described more fully under Research and Training Facilities) will be of major benefit to the agri-food sector. Other initiatives include the following:

(a) **Livestock Marketing**

Canadian Western
Agribition
Regina, Sask.
\$5.7 million

Construction of additional livestock facilities at the existing Agribition site. The project upgrades this facility as the site for a world-scale showcase of Canadian livestock (Agriculture Canada)

(b) **Water**

PFRA Water Projects -
Swift Current Weir and
Irrigation Works
Rehabilitation
Southwest Sask.
\$4 million

Rehabilitation of deteriorated water supply to ensure continued water service to irrigators and municipalities (Agriculture Canada)

3. **Fisheries**
(Fisheries and Oceans Canada)

Special Recovery Capital Projects will strengthen the productivity of the fishing industry in concert with other policy initiatives of the federal government. The projects include a new fisheries research centre which is being established to strengthen the knowledge base in support of the industry (described more fully under Research and Training Facilities) as well as small craft harbours and other marine improvements (described under Transportation Facilities). In addition, the following initiatives are being undertaken:

(a) **Marine Service
Centres**

These centres provide drydock and repair facilities for vessels under 15 metres to allow low-cost vessel maintenance and longer vessel life.

Newfoundland
\$3 million

Port-aux-Basque, Port-aux-Choix

(b) **Fish Unloading and
Ice-Making**

These systems will ensure that fish are properly preserved through storage, handling and transportation to maintain optimum product quality.

New Brunswick
(28 locations)
\$2.2 million

Nova Scotia
(104 locations)
\$4.4 million

Québec
(53 locations)
\$15 million

(c) **Bait Storage**
(34 locations)
\$5.7 million

Bait is essential for a number of key fisheries and has been subject to supply shortages and large price fluctuations. The 34 new storage facilities to be located in Quebec will foster stable supply and prices.

(d) **Salt Fish Facilities**
(6 locations)
\$6.0 million

Construction of 6 salt fish facilities in Quebec to meet product standards and local industry needs.

VII OTHER PROJECTS (\$52 million)

Approved projects in this sector include:

DND Clothing/Textiles
Procurement
\$42 million

Procurement of 55,000 individual chemical warfare clothing sets, replacement of obsolete load-carrying equipment of the field force with 42,000 sets of improved personal webbing. This procurement will assist the Canadian textile sector while providing important fighting gear for the Armed Forces (National Defence)

Native Community
Infrastructure
\$10 million

Construction of five water and sewer systems, four water supply systems, five sewer systems and one receiving home in 13 native communities in British Columbia (Indian and Northern Affairs Canada)

