

# Physical Plant fonds

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Last revised March 2022

**\*\*\* Institutional records -- researcher access subject to review \*\*\***

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# Fonds Description

**Physical Plant fonds.** – 1926-2001.

1.95 m of textual records.

## **Administrative History**

The office of Physical Plant, having responsibility for engineering, maintenance, and planning on the University campus, was established in 1967. Previously, since 1943 these had been the responsibility of a Superintendent of Buildings and Grounds, within the Bursar's Office and later the Dean of Administrative and Financial Services. Physical Plant was organized in four divisions, reflecting its responsibilities, in 1969: Operations and Maintenance, Design and Planning, New Construction, and Administrative Services. In 1986 it was re-organized, with two departments, Plant Operations and Plant (later Physical) Design and Construction, under the Director of Physical Plant. The two departments were completely separated in 1988. Physical Design and Construction merged with Facilities Planning – the combined operation was renamed Campus and Community Planning in 2001. Plant Operations was eventually absorbed into Land and Building Services.

## **Scope and Content**

The fonds consists of reports and studies generated by Physical Plant and/or Plant Operations for various buildings and facilities between 1968 and 1983, and correspondence, reports, committee minutes, and published materials from UBC Utilities 1958-2001. The records in this fonds relate to both Physical Plant and its later title Land and Building Services.

## **Notes**

Fonds consists of institutional records – access requests must be reviewed by the University's FOIPOP Coordinator.

File list available.

Acquired in several accruals, in 1986, 2006, and 2010, from Plant Operations and Utilities.

Box 13 was accessioned in March 2022 from UBC Energies and Water Utilities.

Further accruals are expected.

Other related records may also be found in the fonds of [Campus and Community Planning](#), [Institutional Analysis and Planning](#), [Land and Building Services](#) and the [Office of Budget and Planning](#).

## Series Descriptions

**Proposed Facilities series.** – 1968-1983.

90 cm.

Series consists of reports and studies generated by Physical Plant between 1968 and 1983. The materials include feasibility studies and functional programs for the Anthropology and Sociology Building, Buchanan Building, Aquatic Centre, Biological Sciences Building, Civil and Mechanical Engineering Building, Fort Camp and TRIUMF.

Boxes 1-4, oversized items.

**Utilities series.** – 1958-2001.

1.05 m.

This series includes records from Physical Plant and its later name Land and Building Services (please see the Land and Building Services fonds). Series consists of correspondence, reports, estimates, technical drawings, memorandums committee minutes, and published materials generated or acquired by UBC Utilities. Also included is a bound ledger documenting power plant operating costs (entries dated 1926-60), and a Utilities shift log (1961-62).

Boxes 5-13.

# File List

## PROPOSED FACILITIES SERIES

### BOX 1

- 1-1 A functional programme for building addition to the Departments of Anatomy, Biochemistry and Physiology, 1972
- 1-2 Pre-design stage, Museum of Man, 1972
- 1-3 Functional programme, Department of Anthropology and Sociology (draft), 1972
- 1-4 Functional programme, Department of Anthropology and Sociology (final draft), 1973
- 1-5 The structure which is being re-erected as the Asian Centre on the campus, 1973
- 1-6 A consolidation and extension of facilities for the Departments of Civil and Mechanical Engineering, 1973

### BOX 2

- 2-1 New or modified accommodation for the Departments of Botany and Zoology, the institutes of Oceanography and Animal Resource Ecology, and for an inter-departmental entity called the Biology Programme, 1973
- 2-2 First two stages of the Central Animal facilities, 1973
- 2-3 Functional programme for the academic needs of the Faculty of Commerce and Business Administration through to 1976/77, to be satisfied by renovations and additions to the present Henry Angus Building, 1973?
- 2-4 Functional programme to accommodate the Technical Services of the University Library in a unified facility, 1973
- 2-5 Functional programme to satisfy the goal of: aquatic opportunities equal to other universities in Canada, 1974
- 2-6 Functional programme to satisfy student recreational needs for an aquatic centre and the array of needs for intramurals, teaching, extramurals, and the general university community, 1974
- 2-7 Project to provide facilities required to accommodate the function of teaching an additional 80 medical students, 1977

## BOX 3

- 3-1 Functional programme to provide the space in which to house the academic activities (teaching and research) for the School of Rehabilitation Medicine and the School of Nursing, 1978
- 3-2 Functional programme to provide the space in which to house the academic activities for the School of Rehabilitation Medicine and the School of Nursing, 1978
- 3-3 Functional programme to provide the space in which to house the academic activities (teaching and research) for the School of Home Economics, 1978
- 3-4 Functional programme for space and Audio-Visual Services Department, to be located in the Library Processing Centre, 3rd floor, when the space is finished, 1978
- 3-5 Facility requirements, Special Programmes Division, Vancouver City College, 1973
- 3-6 The TRIUMF project promises to provide the nuclear scientists of the three West Coast Universities in British Columbia an entry into a major new field, intermediate energy physics, 1966
- 3-7 Report developed in a limited sense accepting that it was an administrative or political requirement that the three facilities mentioned, i.e. Law, Museum of Man and Asian Studies Centre, be incorporated on the site, 1971  
Report seeks to develop criteria for Fort Camp which could be used to coordinate development of the area in the future, 1971
- 3-8 Recommendations regarding proposals contained in "Campus Transportation and Circulation Study" dated August 1, 1972 and "Fort Camp, UBC Feasibility Study of Traffic Flow", dated May 23, 1973, 1974  
Study of the pedestrian crossing on Marine Drive at the north end of Main Mall... follows the recommendation for an overpass, 1975
- 3-9 In 1980, the Department of Mining and Minerals will have a new laboratory providing modern facilities for teaching and research in coal preparation and mineral processing, 1979?
- 3-10 A study for the addition of two one hundred fifty seat lecture theatres to the existing Civil and Mechanical Engineering Building, 1980
- 3-11 Report concerned with the university development during the period, 1976-81, 1975

## BOX 4

- 4-1 "Siting Study: Buchanan Extension Offices, University of British Columbia" by Toby Russell Buckwell & Associates Architects, 1969
- 4-2 "Siting Study: Undergraduate Library & Arts Complex" by Rhone & Iredale Architects - Toby Russell Buckwell Architects, 1969
- 4-3 "Program: Undergraduate Library & Arts Complex UBC" by Rhone & Iredale-Toby Russell Buckwell & Associates Architects, 1969
- 4-4 "Physical Education Complex, University of Victoria." Architectural study, 1968
- 4-5 "Buchanan Extension" by Toby Russell Buckwell & Associates Architects, 1970
- 4-6 "Buchanan Extension, Arts Faculty UBC, Program" by Toby, Russell, Buckwell, & Associates, 1969
- 4-7 "Arts: Hierarchy of Function and Flow" architectural plan
- 4-8 "Arts-Library Complex, UBC" architectural plans; "Arts-Library Complex, UBC" activity description chart in color; "Arts-Library Complex, UBC" Space Analysis architectural charts; "Arts-Library Complex, UBC" Space Analysis architectural charts with annotations
- 4-9 "UBC Buchanan Extension" report and correspondence from A.R. Ross to D. Kenny, Dean of Arts regarding Buchanan extension, 1969-1970

Oversize Items – University Archives storage area, Rare Books and Special Collections vault

- OVR-4/3 Plans for Buchanan Extension, 1970
- OVR-4/3 Report to assist in arriving at the proper circulation and traffic solutions that will assist continued growth while yet perpetuating and accenting the aesthetic and ecological features of the campus, 1972
- OVR-4/3 A study made of the site proposed for the Museum of Man, 1972

## UTILITIES SERIES

### BOX 5

- 5-1 360A – Boiler Operations 1990-98
- 5-2 360B – Powerhouse Boilers Studies 1993-95
- 5-3 360B – Powerhouse Boilers 1993-96 [2 folders]
- 5-4 360B – Powerhouse – Boiler Studies 1995-97

BOX 6

- 6-1 360C – Powerhouse Boilers (Rentals) 1994-95
- 6-2 360C – Powerhouse Boilers 1997
- 6-3 365B – Powerhouse Co-Generation Studies 1992-96 [3 folders]
- 6-4 365B – Powerhouse Co-Generation Studies 1996-2000

BOX 7-1

- 7-1 365C – Powerhouse Co-Generation Turbines 1995-2000
- 7-2 365D – Powerhouse Co-Generation Other Site 1997
- 7-3 365E – Powerhouse Co-Generation Hydro Rep 1993-95
  
- 7-4 380 – Preventive Maintenance 1999
- 7-5 380 – Preventive Maintenance 1990-96
  
- 7-6 390 – Major Maintenance 1986-94
- 7-7 390 – Projects 1997-98
  
- 7-8 400 – Purchasing 1990-2000

BOX 7-2

- 7-9 420B – Safety Committees 1990-97
- 7-10 420B – Safety Committees 1994-97

BOX 8

- 8-1 420B – Safety Committees 1996-97
- 8-2 420B [Safety Committees] 1997-98
- 8-3 420B – Safety – Committees 1997-2000
- 8-4 420C – Safety Misc. 1990-96
- 8-5 420C – Safety Misc. 1994-96
- 8-6 420-C – Safety Misc. 2000-01
- 8-7 420C – Safety – Misc. 2000-01
- 8-8 420D – Safety – W.C.B. 1990-96



## BOX 9

- 9-1 420D – Safety – OH & S (WCB) 1994-2000
- 9-2 420E – Safety Reports 1992-99
- 9-3 420E – Safety – Reports 2000-01
- 9-4 Preliminary examination of electrical distribution at U.B.C. May 1959
- 9-5 A proposed development of the primary power distribution system at the University of British Columbia 1961
- 9-6 Shift Log – May 20/61-Feb. 16/62 [bound volume]
- 9-7 Substation, B.C. Hydro 1970-71
- 9-8 [Asbestos Safety] 1980-89

## BOX 10

- 10-1 W.H.M.I.S. – Workplace Hazardous Material Information Systems 1988-93
- 10-2 Safety Supervision Course 1991
- 10-3 Corresp. – General 1989-91 [removed from binder] [2 folders]
- 10-4 Correspondence – B.C. Hydro 1989-91 [removed from binder] [2 folders]

## BOX 11

- 11-1 Utilities – Co-Generation 1995
- 11-2 Utilities – Co-Generation 1996
- 11-3 [Co-Generation Plant] 1996-2000 [3 folders]
- 11-4 Proposed 99/00 Business Plan 1998
- 11-5 UBC 1998 Employee Study – Utilities – MarkTrend Research October 1998
- 11-6 Land & Building Services – Trekchange employee survey report – Touchstone Consulting Group March-April 2001

## BOX 12

- 12-1 Boiler House Operating Costs 1926-60 [oversized bound ledger]

## BOX 13

- 13-1 Builders Correspondence [Technical drawings, misc. items] [1963-1968] [ list of campus heating boilers and the year installed 1945-1968, dimensions of equipment, instructions for fitting of flexible governor drive, Analysis and

- correction of governing troubles, technical drawings by Foster Wheeler Ltd., [196-]]
- 13-2 Utilities Steam 1968-1982 [Estimates, Memorandums, Budget Report, and Correspondence]
- 13-3 Proposal No. C-5028 17 Sept. 1963 [Foster Wheeler – Steam Generating Unit]
- 13-4 Alterations to the Steam Plant, 1964
- 13-5 Codes etc. [Amendements to gas code, correspondance 1952-1965]
- 13-6 Alterations to Steam Plant [Memorandums, correspondance, technical drawings] [1964-1968]
- 13-7 Report on cost of Steam Production UBC, L.J. Bayly, January 1969 [Appendix VIII]
- 13-8 Report on location of Proposed Central Heating Plant UBC, 1959
- 13-9 Report on Planning of Central Heating Plant Facilities University of British Columbia Report 972-3 August 1959 [bound report] [Prepared by D.W. Thompson & Co. Ltd.]
- 13-10 Project memorandum V2603/1 Alternative Power Sources, 2 November 1970 [bound report] [Sandwell & Co.]
- 13-11 Project no. V799 Survey of Services Preliminary Appreciation, December 8 1958 [bound report][Report to determine the need for the expansion of civil, mechanical and electrical service facilities; includes UBC Organizational chart for Department of Buildings and Grounds, 1958] [Sandwell & Co.]