

BRITISH COLUMBIA UTILITIES COMMISSION

ORDER

NUMBER G-S-2-82

#### PROVINCE OF BRITISH COLUMBIA

#### BRITISH COLUMBIA UTILITIES COMMISSION

IN THE MATTER OF the Utilities Commission Act, SBC 1980, c. 60

and

IN THE MATTER OF an Application by British Columbia Hydro and Power Authority for an Energy Project Certificate for the Peace Site C Generation/Transmission Project ("the proceeding")

BEFORE: K.A. Henry,
Chairman, Site C Division;
D.B. Kilpatrick,
Commissioner;
E.E. Little,
Commissioner;
R.A. Petrick,
Commissioner; and
L. Ryan,

Commissioner

March 9, 1982

## ORDER

WHEREAS the Commission wishes to provide for payment of costs incidental to the proceeding incurred to date.

NOW THEREFORE the Commission orders that:

B.C. Hydro and Power Authority pay the following amounts in accordance with accounts attached to and forming part of this Order:

(a) Canadian funds

\$ 290,398.65

(b) U.S. funds

\$ 9,087.33

DATED at the City of Vancouver, in the Province of British Columbia, this 9th day of March, 1982.

BY ORDER

Chairman

Site C Division

Attach.

# B. C. HYDRO SITE C HEARING

Arlon Tussing	Dec.18/81	2,404.71 6,682.62	9,087.33 U.S.
S.N.C. Surveyer, Nenniger & Chenevert	Dec.18/81	27,398.50 9,225.90	36,624.40
F. F. Slaney	Jan.12/82 Jan.12/82	70,693.29 26,909.41 947.87	98,550.57
Columbia-Pacific Group	Nov.30/81 Dec.31/81 Jan.31/82	30,978.29 15,291.85 18,986.80	65,256.94
Joseph O. S. Clarke	Dec.3/81 Jan.16/82	6,341.34 1,050.00	7,391.34
Marvin Shaffer	Dec.2/81 Jan.4/82	6,622.86 7,264.22	13,887.08
Interdisciplinary Systems	Dec.28/81 Jan.29/82	5,056.68 3,225.00 7,126.51	15,408.19
Thorne, Stevenson & Kellogg	Dec.23/81	45,738.05	45,738.05
Fresh Start	Nov.30/81 Jan.29/82	3,374.40 4,167.68	7,542.08



# ARLON R. TUSSING & ASSOCIATES INC. 2726 Faces Back Tower • Some Washington (SI) • 100 (474) 21

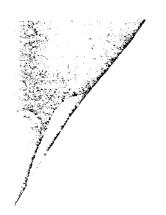
#### 18 December 81

Mr. John Grunau British Columbia Utilities Commission 1177 West Hastings Street Vancouver, British Columbia V6E 2L7

Reference: Follow Up Services/Hydro Hearings

Statement		,
Professional Time & Effort - Arlon R. Tussing 16 Hours @ \$140/Hour 2 Days Testimony @ \$1,000/Day	\$2,240.00 2,000.00	
Professional Time & Effort - Robert C. Lewis 2½ Days Testimony @ \$500/Day	1,250.00	
Total Professional Time & Effort	\$5,490.00	6682.62
Travel - Details Attached	\$1,192.62	600
Balance Forward 20 November 81 Statement	\$2,404.71	
Total Due U.S. Dollars	\$9,087.33	

GOODS RECEIVED AND/OF CONTINUES RENDERED FOR PAYMENT CODE



# ARLON R. FUSSING & ASSOCIATES, INC. 2720 Ranger Bank Tayor Scapes Washington (\$1.0) • 1996-1476-251

20 November 81

Mr. John Grunau
British Columbia Utilities Commission
1177 West Hastings Street
Vancouver, British Columbia
V6E 2L7

Reference - Revised Final Report/Export Demand Study

# <u>Statement</u>

Professional Time & Effort - Robert C. Lewis
10 Hours @-\$50/ Hour \$ 500.00

Professional Time & Effort - C. C. Barlow

18 Hours @ \$50/ Hour

900.00

\$1,400.00

Travel & Delivery Expense\*

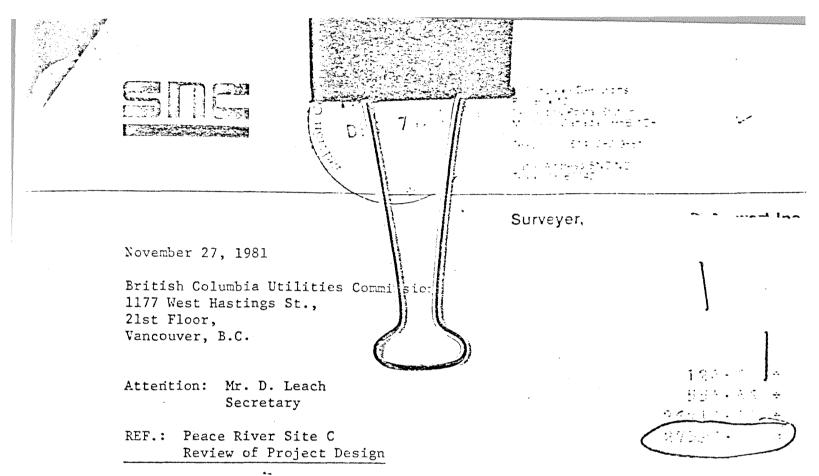
1,004.71

Total Due

\$2,404.71 US FUNDS

\* Details Attached

SOODS RECEIVED AND/OF SERVICES RENDERED JOLLAND LOC. ACCOUNT LOC. ACCOUNT CODE 2 0 3 5 CODE AUTHORIZED FOR FAYMENT MALTINORIZED FOR MALTINORIZED MALTINORIZE



#### Gentlemen:

Enclosed are two supplementary claims for services provided in August and September, 1981, as follows:

Claim #1A August 1981 \$ 124.60

Claim #2A September 1981 \$ 554.46

As explained to Mr. Stromotich earlier this month, we had only recently recognized, that through an internal misunderstanding, our billings for the above two months, for support personnel, had been calculated in error and supplementary claims were necessary.

In accordance with the Agreement signed between BCUC and SNC, our charges for support personnel would be on the bases of;

Payroll cost x 2, where payroll cost (which cover fringe benefits) was equal to salary cost x approx 1.3

Our error, in the August and September billings was that although identified on the billing as "payroll cost", the actual hourly rates shown, and used were basic salary rates. Claims #1A and #2A serve to correct this error. We of course, regret any inconvenience the supplementary billings may cause the Commission.

Also enclosed is our billing for services provided and expenses incurred in the month of October, 1981; i.e.

Claim #3 Total amount \$ 26,719.44

27398.50



# Surveyer, Nenniger & Chânevert

1, Complexe Desjardins Case postale 10 Succursale Desjardins Montréal, Canada H5B 1C8

1, Complexe Desjard P.O. Box 10 Desjardins Postal St Montréal, Canada H

Téléphone (514) 282-9551

Telephone (514) 282

Adresse télégraphique SNCINC Telex 055-60042

Cable Address SNC Telex 055-60042

British Columbia Utilities Commission

1177 West Hastings

21st Floor

Vancouver B.C.

December 18, 1981

Ref: 4852

Attention: Mr. F.L. Stromotich Ph.D.P. Eng.

Director Electrical Engineering

Division

RE:- PEACE RIVER SITE "C"

CLAIM NO. 4

MONTH OF NOVEMBER 1981

FEES:-

\$ 6,555.43

DISBURSEMENTS:-

2,670.47

AMOUNT DUE: -

\$ 9,225.90

mt cc: R.I. Gilchrist

SERVICES RECEIVED AND CONTINUED ACCOUNT

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ACCOUNT

ACCO





402 W. Pender Street A Var buver, B.C. Canada V6B 179 A Tel.: (604) 687-0151

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Januar 12, 982

B.C. Utilities Commission 21st floor 1177 W. Hastings St VANCOUVER, B.C. V6E 2L7

Attention: Mr. John Grunau

GOODS RECEIVED AND OF SERVICES RENDERED FOR ACCOUNT

OF JECT 2035

AUTHORIZED FOR

PAYMENT

# Current:

Invoice 81-12-259 Invoice 81-12-260 \$26,909.41 <u>947.87</u>

\$27,857.28

#### Past Due:

Invoice 81-11-255 Invoice 81-11-256 Invoice 81-10-254 \$68,844.94

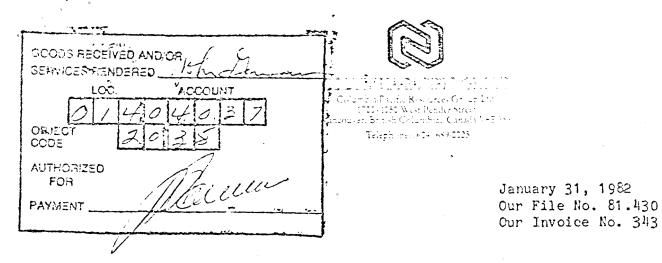
1,355.75 492.60

\$70,693.29

TOTAL PAYABLE ON RECEIPT

\$98,550.57 <

Amounts outstanding over 45 days subject to 2% per month charge.



British Columbia Utilities Commission 21st Floor 1177 West Hastings Street Vancouver, B.C. V6E 2L7

Attention of Mr. J. Grunau

#### INVOICE

TO: Professional Fees and Expenses incurred on Domestic Requirements Review, Site "C" Project during the month of January 1982.

\$5,530.00

7.9 days at \$700/day

### <u>Fees</u>

D. W. Ross

•	13.3 days at \$650/day 7.6 days at \$350/day of January	8,645.00 2,660.00	\$16,835.00
Expenses			
Secretarial Word Processing		\$ 142.50 825.00	
		<u>1,184.30</u>	2,151,80
TOTAL AMOUNT OF INVOICE fo	or month of January, 1982		\$18,985.80 V

PAYABLE UPON RECEIPT THANK YOU

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AUTHORIZED Deco

December 31, 1981 Our File No. 81.430 Our Invoice No. 324

British Columbia Utilities Commission 21st Floor 1177 West Hastings Street Vancouver, B.C. V6E 2L7

Attention of Mr. J. Grunau

#### INVOICE

TO: Professional Fees and Expenses incurred on Domestic Requirements Review, Site "C" project during the month of December 1981.

#### <u>Fees</u>

PAYMENT

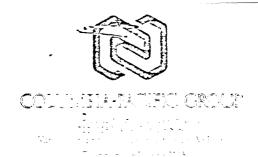
D. G. Hildebrand	11.73 days at \$650/day	\$7,624.50	
D. W. Ross	6.47 days at \$700/day	4,529.00	
D. P. Bloom	2.6 days at \$350/day	910.00	
P. E. Tubb	.4 days at \$350/day	140.00	_
Total Fees for the month	of December		\$13,203.50
<u>Expenses</u>			•
Secretarial Word Processing		\$ 135.00 75.00	

Travel - D.P.Bloom \$ 31.50
D.G.Hildebrand 651.02
D.G.Hildebrand 540.89
D.W.Ross 498.84
Telephone 73.70
Xeroxing 11.40
Messenger/Freight 71.00
Total of disbursements
Total Expenses

TOTAL AMOUNT OF INVOICE for month of December, 1981

2,088.35

\$15,291.85



British Columbia Utilities Commission 21st Floor 1177 West Hastings Street Vancouver, B.C. V6E 2L7

Attention of Mr. J. Grunau

	r 30, 1981
1	e No. 81.430 Gecentro andrá //
j .	ES RENDERED
1	LOC. // ACCOUNT
67.70	01404037
CODE	20835
AUTHOI FOR	
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# INVOICE

TO: Professional Fees and Expenses incurred on Domestic Requirements, Site C project during the month of November 1981.

#### <u>Fees</u>

D. G. Hildebrand D. W. Ross D. P. Bloom D. C. Rice P. E. Tubb J. A. Lexier Total Fees for the month	15.2 days at \$650/day 11.47 days at \$700/day 11.93 days at \$350/day 5.73 days at \$275/day 3.73 days at \$350/day 7.5 days at \$325/day of November	\$9,880.00 8,029.00 4,175.50 1,575.75 1,305.50 2,437.50	\$27,403.25		
<u>Expenses</u>					

Secretarial \$ 240.00 Word Processing 1,387.50 Drafting 178.50

Travel - D. W. Ross \$551.57
D.G.Hildebrand 844.19
Telephone 12.53
Xeroxing 188.55
Messenger/Freight 158.25
Superior Reprod. 4.05
Williams & Mackie 9.90
Total of disbursements

Total Expenses

1.769.04

TOTAL AMOUNT OF INVOICE for month of November, 1981

\$30,978.20 6

3,575,04



# JOSEPH O. S. CLARKE CONSULTING ENGINEER

TEL: (604) 987-5654 TELEX: 04-352578 CABLE: JOSCLAR 500 EVERGREEN PLACE NORTH VANCOUVER, B.C. CANADA V7N 2Z2

December 3, 1981

British Columbia Utilities Commission 1177 West Hastings Street Vancouver, B.C. V6E 2L7

Attention: Dr. F.L. Stromotich

STATEMENT OF ACCOUNT

(Peace Site C Project)

Accounts Rendered

Submitted previously Enclosed herewith

Total Accounts Rendered

Balance Outstanding

\$13,650.00 6,341.34

\$19,991.34

\$19,991.34

Contract Limit: \$100,000.00

GOODS RECEIVED AND SERVICES RENDERED Y LOCUMIT LOC. ACCOUNT ON 1404037

ORJECT 2033

CUTHORIZED FOR CAMMENT KALLERY

#### JOSEPH O. S. CLARKE

CONSULTING ENGINEER

TEL: (604) 987-5664 TELEX: 04-352578 CABLE: JOSCLAR 500 EVERGREEN PLACE NORTH VANCOUVER, B.C. CANADA V7N 222

January 11, 1982

British Columbia Utilities Commission 1177 West Hastings Street Vancouver, B.C. V6E 2L7

Attention: Dr. F.L. Stromotich

#### STATEMENT OF CHARGES

(Peace Site C Project)

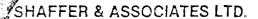
Professional services rendered during December 1981, including review of additional information submitted by B.C. Hydro in answer to B.C. Utilities Commission questions of 29 October 1981 (2 days @ \$525 per day) . . .

\$1,050.00

Total Charges this Statement

\$1,050.00 ~

GOODS RECEIVED AND/OR OUT	
SERVICES RENDERED A THE	
LOC. ACCOUNT	
01404037	:
OBJECT 20935	; ;
AUTHORIZED FOR	
PAYMENT COMPLETE	



CONSULTING ECONOMISTS

WHITE ROCK SQUARE NO. 90.1480 FOSTER STREET WHITE ROCK, B.C. V4B 3X7 PHONE: (604) 531-9511

December 2, 1981

British Columbia Utilities Commission 21st Floor Board of Trade Tower 1177 West Hastings Street VANCOUVER, B.C.

ATTENTION: Mr. Derek Leach

# STATEMENT

# RE: Consulting Services Related to Site C Hearing - November, 1981

### Professional Fees:

Μ.	Shaffer - 81.25 hrs. @ \$60/hr.	\$4,875.00
G.	Holman - 26.25 hrs. @ \$45/hr.	1,181.25

## Expenses:

Travel to Ft. St. John, Nov. 24-26	442.07
Courier Services	29.00
Typing - 4.5 hrs. @ \$20/hr.	85.00
Photocopies - 19 copies @ 25¢/copy	4.75
Long distance telephone	5.75

TOTAL: \$6,622.86

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SERVICES RENDERED JOH June
LOC. ACCOUNT

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CONSULTING ECONOMISTS

WHITE ROCK SQUARE NO. 90. 1480 FOSTER STREET WHITE ROCK, B.C. V4B 3X7 RHONE: (604) 531-9511



January 4, 1982

British Columbia Utilities Commission 21st Floor Board of Trade Tower 1177 West Hastings Street VANCOUVER, B.C.

ATTENTION: Mr. Derek Leach

# STATEMENT

# RE: Consulting Services Related to Site C Hearing - December, 1981

### Professional Fees:

M.	Shaffer - 82.50 hrs. @ \$60/hr.	\$4,950.00
G.	Holman - 25.50 hrs. @ \$45/hr.	1,147.50

# Expenses:

<b>907.0</b> 9
160.00
11.25
88.38

TOTAL:

\$7,264.22

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# Interdisciplinary Systems Ltd.

Suite 500, 455 Granville Street Vancouver, British Columbia V6C 1V2

**Telephone:** 687-2188

IN ACCOUNT WITH

British Columbia Utilities Commission 21st Floor 1177 West Hasting Street Vancouver, B.C. V6E 2L7

Attention: Mr. D. Leach

Secretary

30 November 1981

RE: BCUC Site C Appraisal IDS Job No. 80-11

To consulting and advisory services to 29 November 1981 on appraisal of Site C Hydroelectric Project

# Professional Services

Ann Gallie - 97.0 hrs @ \$50/hr. \$ 4,850.00 \$ 4,850.00

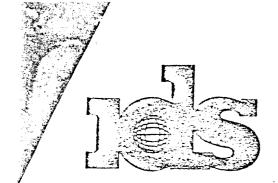
# Expenses

Charles Howard & Assoc. Ltd. (Typing&Xerox) \$ 20.15 Copy time, (Xeroxing) 183.53 CBA Messenger Service 3.00 206.68

> IOTAL AMOUNT DUE THIS INVOICE \$ 5,056.68 GOODS RECEIVED AND/OR SERVICES RENDERED ACCOUNT

OBJECT CODE AUTHORIZED

70. FOR 1**55** INVOICE NO.



# Interdisciplinary Systems Ltd.

455 Granville Street Vancouver, British Columbia V6C 1V2

Telephone: 687-2188

IN ACCOUNT WITH

British Columbia Utilities Commission 21st Floor 1177 West Hasting Street Vancouver, B.C. V6E 2L7

Attention: Mr. D. Leach Secretary JANO 7 1982 ONNIESS

28 December 1981

RE: BCUC Site C Appraisal IDS Job No. 80-11

To consulting and advisory services from 30 November to 27 December 1981 on appraisal of Site C Hydroelectric Project

# Professional Services

Ann Gallie - 64.5 hrs @ \$50/hr.

\$ 3,225.00

\$ 3,225.00

# Expenses

Nil

TOTAL AMOUNT DUE THIS INVOICE

\$ 3,225.00 /

	GOODS RECEIVED AND/OR SERVICES RENDERED	
The second name of the last of	01 40 4 0 3 7  CODE 2 0 3 5	
	AUTHORIZED	

INVOICE NO. 1078

A member of the Interdisciplinary Group: Calgary, Edmonton Kloydminster, Vancouver, Winnipeg

Suite 500-455 Granville St. Vancouver, B.C. V6C 1V2 (604) 687-2188



T	SERVICES RENDERED THE	
1	LOC. A ACCOUNT	
1	01404037	_
	OSJECT 2035	4
	AUTHORIZED 17	بالمبدر
	FOR	
	PAYMENT	
		3

IN ACCOUNT WITH

British Columbia Utilities Commission

21st Fl∞r

1177 West Hasting Street

Vancouver, B.C.

V6E 2L7

Attention: Mr. D. Leach

Secretary

29 January 1982

RE: BCUC Site C Appraisal IDS Job No. 80-11

To consulting and advisory services from 28 December 1981 to 31 January 1982 on appraisal of Site C Hydroelectric Project

### Professional Services

Ann Gallie - 139.5 hrs @ \$50/hr.

\$ 6,975.00 \$ 6,975.00

#### Expenses

Charles Howard & Assoc. (2) Typing & Xeroxing BC Tel (2) Star Systems Inc.

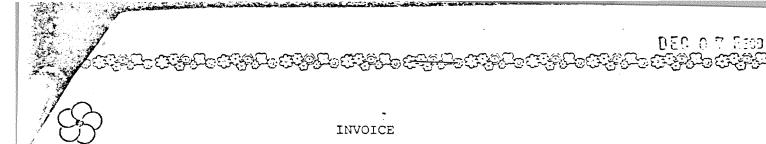
\$ 137.27 3.24 11.00 151.51

TOTAL AMOUNT DUE THIS INVOICE

\$ 7,126.51 ~

INVOICE MA. 1112
The Interdisciplinary Group
Vancouver, Calgary, Edmonton,
Lloydminster, Saskatoon,
Winnipeg and Grand Forks, N.D.

12 -1 01 21 1 1 ""



November 30,1981

Mr. John Grunau British Columbia Utilities Commission 1177 West Hastings Street Vancouver, B.C. V6E 2L7

Re: Services Rendered By Dr. George Kupfer on Site C Hearings

Expenses:

November 9, 1981 Trip

\$275.00

November 20, 1981 Trip

\$299.40

0

Total Expenses

\$574.40

AUTHORIZED

GOODS RECEIVED AND/OR SERVICES RENDERED\_ G

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November 9, 1981 10 Hours

Meetings with K. Henry, J. Grunau, M. Schaefer, A. Gallie and

F. Slaney.

November 10-19, 1981 12 Hours

Reading Background Documents on Site C.

November 20, 1981 10 Hours

Meetings with J. Grunau and A. Gallie. Pick up Slaney Draft.

November 21-30, 1981 8 Hours

Review Slaney Draft Report and Continue Background Reading.

Total Hours: 40 Hours at \$70 per Hour = \$2800.00

Grand Total:

Expenses \$574.40

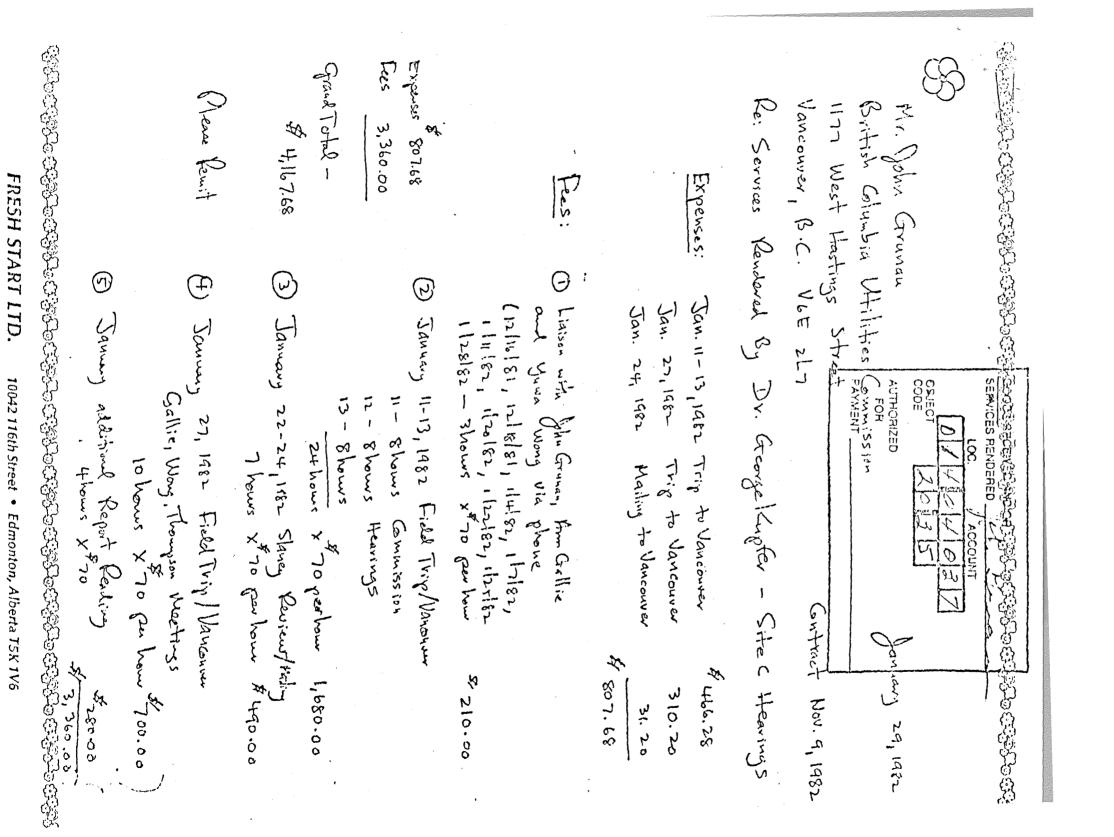
Fees

\$2800.00

\$3374.40 ~

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Please Remit



23<del>03 Yange</del> Street Yorohto Ontario Canada M4P 1G2

> B.C. Utilities Commission 2100 - 1177 West Hastings Vancouver, B.C. V6E 2Z7

Attention: Mr. J. Bogyo, Director

Major Energy Project Review Department

In account with

Thorne Stevenson & Kellogg

Management Consultants

Date December 23, 1981

Project No 0833

For professional services by Thorne Stevenson & Kellogg and Thorne Riddell relative to the review of the Site "C" project's financial impacts on the Applicant and an electricity users for the period ending October 31, 1981 as per:

Schedule 1 attached: Details of invoice to October 31 and Adjustment for Phase 1.

Schedule 2 attached: Statement of Activity and Effort to October 31.

Total Invoiced

\$45,738.05

GOODS RECEIVED AND/OR REPORTED.
0 1 4 0 4 0 3 7
ORJECT 2035 AUTHORIZED
FOR AUTOMINE PAYMENT / COLON