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

O R D E R

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

K.A. Henry

Chairman
Site C Division

Attach.

TWENTY FIRST FLOOR, 1177 WEST HASTINGS STREET, VANCOUVER, B.C., V6E 2L7, CANADA, TELEPHONE (604) 689-1831, TELEX 04-54536

B. C. HYDRO SITE C HEARING

Arlon Tussing		2,404.71	
	Dec.18/81	6,682.62	9,087.33 U.S.
S.N.C.		27,398.50	
Surveyer, Nenniger & Chenevert	Dec.18/81	9,225.90	36,624.40
F. F. Slaney		70,693.29	
	Jan.12/82	26,909.41	
	Jan.12/82	947.87	98,550.57
Columbia-Pacific Group	Nov.30/81	30,978.29	
	Dec.31/81	15,291.85	
	Jan.31/82	18,986.80	65,256.94
Joseph O. S. Clarke	Dec.3/81	6,341.34	
	Jan.16/82	1,050.00	7,391.34
Marvin Shaffer	Dec.2/81	6,622.86	
	Jan.4/82	7,264.22	13,887.08
Interdisciplinary Systems		5,056.68	
	Dec.28/81	3,225.00	
	Jan.29/82	7,126.51	15,408.19
Thorne, Stevenson & Kellogg	Dec.23/81	45,738.05	45,738.05
Fresh Start	Nov.30/81	3,374.40	
	Jan.29/82	4,167.68	7,542.08
			~~$299,485.98~~

JAN 0 4 RECD

ARLON R. TUSSING & ASSOCIATES, INC.

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

6682.62

GOODS RECEIVED AND/OR
SERVICES RENDERED

LOC				ACCOUNT			
0	1	4	0	4	0	3	7

OBJECT CODE: 2 0 3 5

AUTHORIZED FOR PAYMENT

526 Main Street • Juneau, Alaska 99801 • 880 H Street, Suite 208 • Anchorage, Alaska 99501

ARLON R. TUSSING & ASSOCIATES, INC.

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

Statement

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

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* Details Attached

GOODS RECEIVED AND/OR SERVICES RENDERED John Grunau

LOC. ACCOUNT 0 1 4 0 4 0 3 7

OBJECT CODE 2 0 3 5

AUTHORIZED FOR PAYMENT K. A. Henry

Surveyer,

November 27, 1981

British Columbia Utilities Commission
1177 West Hastings St.,
21st Floor,
Vancouver, B.C.

Attention: Mr. D. Leach
Secretary

REF.: Peace River Site C
Review of Project Design

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

03906

Surveyer, Nenniger & Chênevert

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

Téléphone (514) 282-9551

Adresse télégraphique SNCINC
Telex 055-60042

1, Complexe Desjar[dins]
P.O. Box 10
Desjardins Postal St[ation]
Montréal, Canada H[5B 1C8]

Telephone (514) 282[-9551]

Cable Address SNC[INC]
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

GOODS RECEIVED AND/OR SERVICES RENDERED F.L. Stromotich

LOC. ACCOUNT
0 1 4 0 4 0 3 7

2 0 3 5

AUTHORIZED FOR PAYMENT

[illegible]ANEY & COMPANY LIMITED

RESOURCE DEVELOPMENT AND ENVIRONMENTAL PROTECTION

402 W. Pender Street ▲ Vancouver, B.C. Canada V6B 1T9 ▲ Tel.: (604) 687-0151

Statement of Account

January 12, 1982

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

Attention: Mr. John Grunau

GOODS RECEIVED AND/OR SERVICES RENDERED

LOC.	ACCOUNT
0 1 4 0	4 0 3 7

OBJECT CODE 2 0 3 5

AUTHORIZED FOR PAYMENT

Current:

Invoice	81-12-259	$26,909.41	
Invoice	81-12-260	947.87	$27,857.28

Past Due:

Invoice	81-11-255	$68,844.94	
Invoice	81-11-256	1,355.75	
Invoice	81-10-254	492.60	$70,693.29
		TOTAL PAYABLE ON RECEIPT	$98,550.57

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

FEB 1 0 [illegible]

GOODS RECEIVED AND/OR SERVICES RENDERED

LOC.		ACCOUNT					
0	1	4	0	4	0	3	7

OBJECT CODE 2 0 2 5

AUTHORIZED FOR PAYMENT

Columbia Pacific Resources Group Ltd.
1700-1050 West Pender Street
Vancouver, British Columbia, Canada V6E [illegible]
Telephone: (604) 689-2025

January 31, 1982
Our File No. 81.430
Our Invoice No. 343

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

Attention of Mr. J. Grunau

I N V O I C E

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

Fees

D. W. Ross	7.9 days at $700/day	$5,530.00	
D. G. Hildebrand	13.3 days at $650/day	8,645.00	
D. P. Bloom	7.6 days at $350/day	2,660.00	
Total Fees for the month of January			$16,835.00

Expenses

Secretarial		$ 142.50	
Word Processing		825.00	
Travel - D. W. Ross	$522.38		
D.G.Hildebrand	556.62		
Xeroxing	71.70		
Messenger/Freight	33.60		
Total of disbursements		1,184.30	
Total Expenses			2,151.80

TOTAL AMOUNT OF INVOICE for month of January, 1982 $18,986.80 ✓

PAYABLE UPON RECEIPT
THANK YOU

JAN 14

COLUMBIA PACIFIC GROUP

GOODS RECEIVED AND/OR SERVICES RENDERED

LOC		ACCOUNT	
01	40	40	37

OBJECT CODE 2035

AUTHORIZED FOR PAYMENT

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

I N V O I C E

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

Fees

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

Expenses

Secretarial		$ 135.00	
Word Processing		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		1,878.35	
Total Expenses			2,088.35

TOTAL AMOUNT OF INVOICE for month of December, 1981 $15,291.85

PAYABLE UPON RECEIPT
THANK YOU

COLUMBIA-PACIFIC GROUP

DEC 1 9 RE

November 30, 1981
~~Our File No. 81.430~~
Our Invoice No. [illegible]

SERVICES RENDERED

LOC.				ACCOUNT			
0	1	4	0	4	0	3	7

OBJECT CODE 2 0 3 5

AUTHORIZED FOR PAYMENT

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, Site C project during the month of November 1981.

Fees

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

Expenses

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		1,769.04	
Total Expenses			3,575.04

TOTAL AMOUNT OF INVOICE for month of November, 1981 $30,978.29

PAYABLE UPON RECEIPT
THANK YOU

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	$13,650.00	
Enclosed herewith	6,341.34	
Total Accounts Rendered		$19,991.34
Balance Outstanding		$19,991.34

Pd DEC 23/81

Payment

Contract Limit: $100,000.00

GOODS RECEIVED AND
SERVICES RENDERED

	LOC.			ACCOUNT				
	0	1	4	0	4	0	3	7
OBJECT CODE			2	0	3	5		

AUTHORIZED FOR PAYMENT

JOSEPH O. S. CLARKE
CONSULTING ENGINEER

TEL: (604) 987-5664
TELEX: 04-352578
CABLE: JOSCLAR

500 EVERGREEN PLACE
NORTH VANCOUVER, B.C.
CANADA V7N 2Z2

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 SERVICES RENDERED

LOC. ACCOUNT
0 1 4 0 4 0 3 7

OBJECT CODE 2 0 3 5

AUTHORIZED FOR PAYMENT

SHAFFER & ASSOCIATES LTD.
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:

M. 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

GOODS RECEIVED AND/OR SERVICES RENDERED John Gu...
LOC. ACCOUNT
0 1 4 0 4 0 3 7
OBJECT CODE 2 0 3 5
APPROVED FOR PAYMENT K Atteny

MS

SHAFFER & ASSOCIATES LTD.
CONSULTING ECONOMISTS

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

RECEIVED
JAN 05 1982

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:

Travel to Ft. St. John,	907.09
Typing - 8 hrs. @ $20/hr.	160.00
Photocopies - 45 copies @ 25¢/copy	11.25
Long distance telephone	88.38
TOTAL:	$7,264.22

GOODS RECEIVED AND/OR SERVICES RENDERED John Grear

LOC. ACCOUNT
0 1 4 0 4 6 3 7

OBJECT CODE 2 0 3 5

AUTHORIZED FOR PAYMENT K.E. Henry

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 Hydro-electric 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
TOTAL AMOUNT DUE THIS INVOICE		$ 5,056.68

GOODS RECEIVED AND/OR SERVICES RENDERED
LOC. ACCOUNT
0 1 4 0 4 0 3 7
OBJECT CODE 2 6 3 5
AUTHORIZED FOR PAYMENT

INVOICE NO. 1055

Interdisciplinary Systems Ltd.

455 Granville Street
Vancouver, British Columbia V6C 1V2
Telephone: 687-2188

BRITISH COLUMBIA UTILITIES COMMISSION
RECEIVED
JAN 07 1982

IN ACCOUNT WITH

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

Attention: Mr. D. Leach
Secretary

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 Hydro-electric 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

LOC. ACCOUNT

0	1	4	0	4	0	3	7

OBJECT CODE

2	0	3	5

AUTHORIZED FOR PAYMENT

INVOICE NO. 1078

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

IDS

SERVICES RENDERED
LOC. ACCOUNT
01 4 6 4 0 3 7
OBJECT CODE 2 0 3 5
AUTHORIZED FOR PAYMENT

IN ACCOUNT WITH

British Columbia Utilities Commission
21st Floor
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 Hydro-electric Project

Professional Services

Ann Gallie - 139.5 hrs @ $50/hr.	$ 6,975.00	$ 6,975.00

Expenses

Charles Howard & Assoc.		
(2) Typing & Xeroxing	$ 137.27	
BC Tel (2)	3.24	
Star Systems Inc.	11.00	151.51
TOTAL AMOUNT DUE THIS INVOICE		$ 7,126.51

INVOICE NO. 1112

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

DEC 0 7 1981

INVOICE

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

November 30,1981

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

Expenses:	November 9, 1981 Trip	$275.00
	November 20, 1981 Trip	$299.40
Total Expenses		$574.40

GOODS RECEIVED AND/OR SERVICES RENDERED [signature]
LOC. 01 ACCOUNT 4 04 037
OBJECT CODE 2 0 3 5
AUTHORIZED FOR PAYMENT K. Henry

Fees: 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

Please Remit

FRESH START LTD.

SERVICES RENDERED [illegible]

LOC.			ACCOUNT				
0	1	4	0	4	0	2	7

OBJECT CODE 2 0 3 5

AUTHORIZED FOR Commission PAYMENT

January 29, 1982

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

Contract Nov. 9, 1982

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

Expenses:

Jan. 11-13, 1982	Trip to Vancouver	$ 466.28
Jan. 27, 1982	Trip to Vancouver	310.20
Jan. 24, 1982	Mailing to Vancouver	31.20
		$ 807.68

Fees:

① Liaison with John Grunau, Fran Gallie and Yuwa Wong via phone (12/16/81, 12/18/81, 1/4/82, 1/7/82, 1/11/82, 1/20/82, 1/22/82, 1/25/82 1/28/82 — 3 hours x $70 per hour $ 210.00

② January 11-13, 1982 Field Trip/Vancouver
11 - 8 hours Commission
12 - 8 hours Hearings
13 - 8 hours
24 hours x $70 per hour 1,680.00

③ January 22-24, 1982 Slaney Review/Mailing
7 hours x $70 per hour $ 490.00

④ January 27, 1982 Field Trip / Vancouver
Gallie, Wong, Thompson Meetings
10 hours x $70 per hour $ 700.00

⑤ January additional Report Reading
4 hours x $70 $ 280.00

$ 3,360.00

Expenses $ 807.68
Fees 3,360.00

Grand Total -
$ 4,167.68

Please Remit

2300 Yonge Street
Toronto 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 ~~as~~ 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 SERVICES RENDERED R.E. Fletcher.

LOC.		ACCOUNT					
0	1	4	0	4	0	3	7

OBJECT CODE: 2 0 3 5

AUTHORIZED FOR PAYMENT [signature]