

THE CITY OF PORTLAND, OREGON
CHANGE ORDER



BUREAU OF HYDROELECTRIC POWER
AGREEMENT

150882

Project Name: Powerhouses Nos. 1 and 2

DATE: October 31, 1980

CHANGE ORDER NUMBER: 4
 CONTRACT NUMBER: 18680
 ORDINANCE NUMBER: 149634
 CONTRACT DATE: June 5, 1980
 PURCHASE ORDER NO: 12731

You are directed to make the following changes in this Contract and proceed with work:

Coordinate with Portland General Electric Company to interconnect the new 57 KV transmission line all so as to provide temporary construction power.

It is understood and agreed that the work was accomplished for a lump sum price of \$20,787.26 which will constitute full and final settlement for the work involved.

It is further understood and agreed that the Change Order results in no change in the contract performance time or does it impact upon the unchanged work.

| | |
|---|-------------------------------|
| The Change Order Amount This Change Order | \$ <u>20,787.26</u> <i>PR</i> |
| Total Previous Change Order Amount | \$ <u>(214,436.00)</u> |
| Total Change Orders | \$ <u>(193,648.74)</u> |
| Basic Contract Amount Including Other Contract Amendments | \$ <u>15,098,064.00</u> |
| Total Contract Amount Including This Change Order | \$ <u>14,904,415.26</u> |

The total Change Order amount is (less)(more*) than 5% of the basic Contract amount.

PACIFIC VENTURES, INC.

Contractor

by

Date

Initiator

Date

Engineer

Date

Bureau Manager

Date

* Commissioner

Date

PR

11/3/80

11-4-80

12-4-80

THE CITY OF PORTLAND, OREGON

CHANGE ORDER



BUREAU OF HYDROELECTRIC POWER

AGREEMENT

Project Name: Powerhouses Nos. 1 and 2

DATE: October 31, 1980

CHANGE ORDER NUMBER: 5
 CONTRACT NUMBER: 18680
 ORDINANCE NUMBER: 149634
 CONTRACT DATE: June 5, 1980
 PURCHASE ORDER NO: 12731

You are directed to make the following changes in this Contract and proceed with work:

Drilling, blasting, and removal of two buried reinforced concrete blocks, which constituted a changed condition, during the overburden excavation for Powerhouse No. 1.

The above-defined work was successfully accomplished on a force account basis for a total compensation of \$1,688.83.

| | |
|---|-------------------------|
| The Change Order Amount This Change Order | \$ <u>1,688.83</u> |
| Total Previous Change Order Amount | \$ <u>(193,648.74)</u> |
| Total Change Orders | \$ <u>(191,959.91)</u> |
| Basic Contract Amount Including Other Contract Amendments | \$ <u>15,098,064.00</u> |
| Total Contract Amount Including This Change Order | \$ <u>14,906,104.09</u> |

The total Change Order amount is (less)(more*) than 5% of the basic Contract amount.

PACIFIC VENTURES, INC.

Contractor

[Signature]
 by _____ Date 12/2/80

[Signature] 11/3/80
 Initiator Date

[Signature] 11-9-80
 Engineer Date

[Signature] 12-4-80
 Bureau Manager Date

* _____
 Commissioner Date

THE CITY OF PORTLAND, OREGON
CHANGE ORDER



BUREAU OF HYDROELECTRIC POWER
AGREEMENT

150882

Project Name: Powerhouses Nos. 1 and 2

DATE: October 31, 1980

CHANGE ORDER NUMBER: 6
 CONTRACT NUMBER: 18680
 ORDINANCE NUMBER: 149634
 CONTRACT DATE: June 5, 1980
 PURCHASE ORDER NO: 12731

You are directed to make the following changes in this Contract and proceed with work:

Modification of the multiport valve installation near Dam No. 2. The additional work consisted of cutting the 48-inch diameter spool, so as to free a flange, and butt-welding the flange to a piece of the spool, as illustrated on the enclosed sketch.

The above-defined work was successfully accomplished on a force account basis for a total adjusted compensation of \$9,392.99.

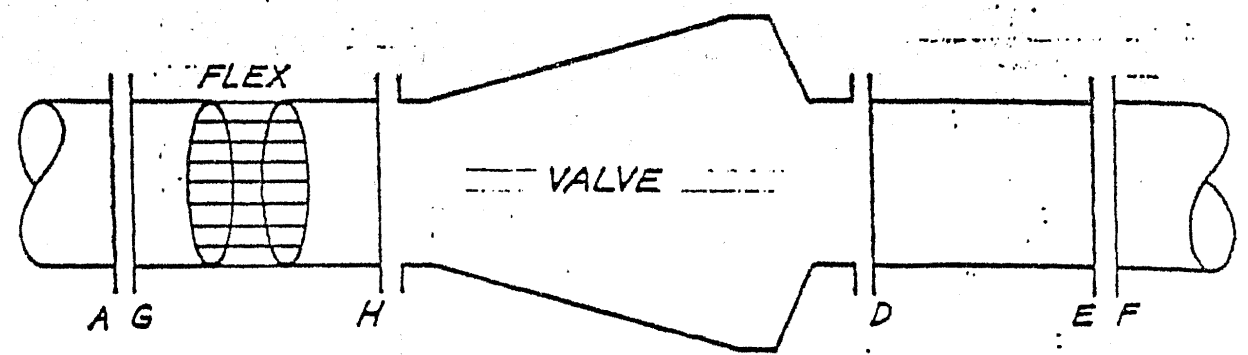
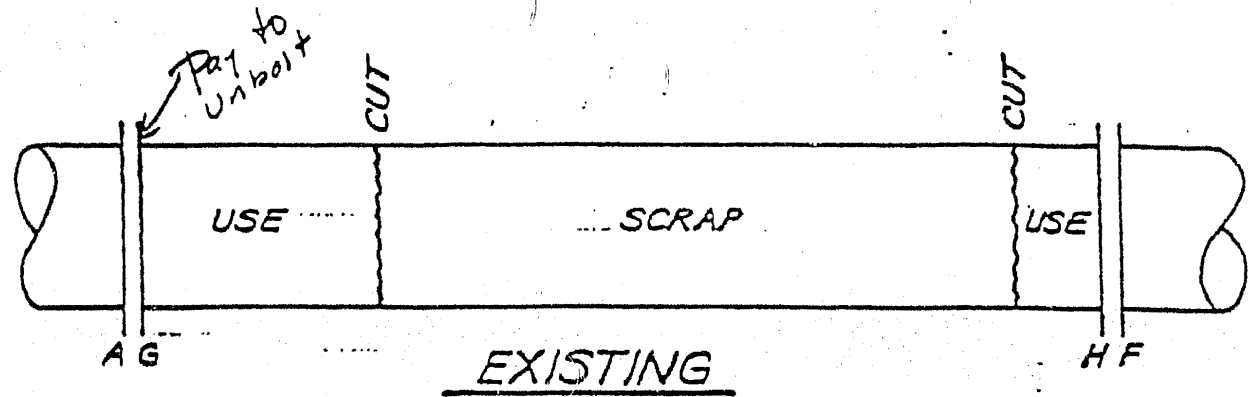
*Except for contract time and impact costs

| | |
|---|-------------------------|
| The Change Order Amount This Change Order | \$ <u>9,392.99</u> |
| Total Previous Change Order Amount | \$ <u>(191,959.91)</u> |
| Total Change Orders | \$ <u>(182,566.92)</u> |
| Basic Contract Amount Including Other Contract Amendments | \$ <u>15,098,064.00</u> |
| Total Contract Amount Including This Change Order | \$ <u>14,915,497.08</u> |

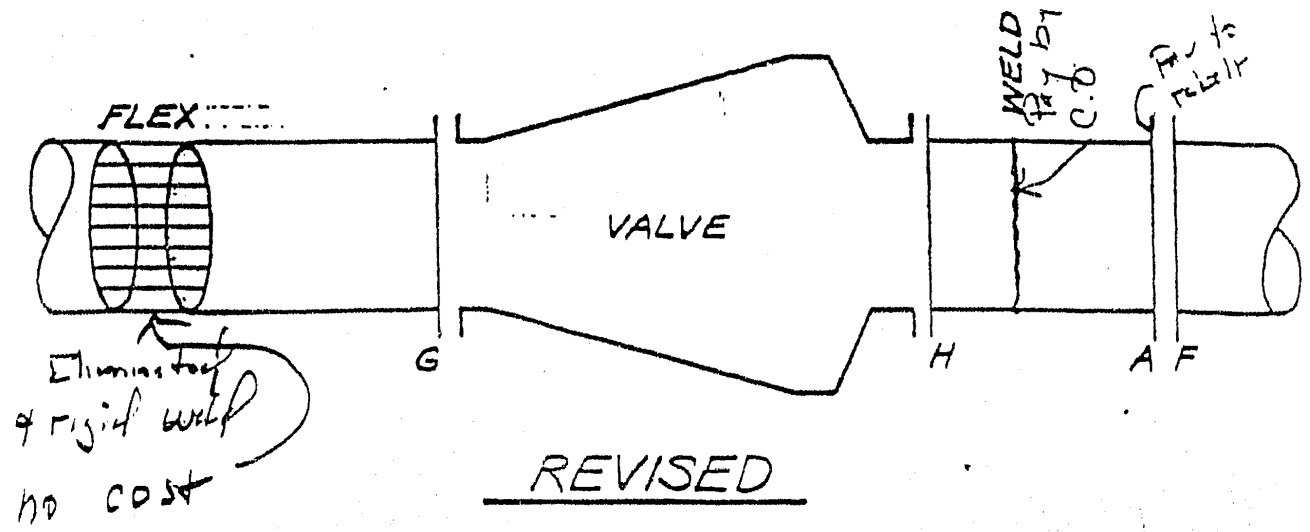
The total Change Order amount is (less)(more*) than 5% of the basic Contract amount.

PACIFIC VENTURES, INC.
 Contractor
 * [Signature] 12/2/80
 by [Signature] Date

[Signature] 11/3/80
 Initiator Date
[Signature] 11-4-80
 Engineer Date
[Signature] 12-4-80
 Bureau Manager Date
 * _____ Date
 Commissioner



ORIGINAL DWG. NO. 2M23





Project Name: Powerhouses Nos. 1 and 2

DATE: December 5, 1980

CHANGE ORDER NUMBER: 7
 CONTRACT NUMBER: 18680
 ORDINANCE NUMBER: 149634
 CONTRACT DATE: June 5, 1980
 PURCHASE ORDER NO: 12731

You are directed to make the following changes in this Contract and proceed with work:
 To revise the plans and specifications for Powerhouses Nos. 1 and 2 per attached details for a lump sum of \$35,567.00.

It is understood and agreed that all of the changes, additions, and clarifications will be accomplished in accordance with the revised drawing supplied by the Engineer. The lump sum price of \$35,567.00 is full and complete compensation for these changes, including impact on the unchanged work.

| | |
|---|-------------------------|
| The Change Order Amount This Change Order | \$ <u>35,567.00</u> |
| Total Previous Change Order Amount | \$ <u>(182,566.92)</u> |
| Total Change Orders | \$ <u>(146,999.92)</u> |
| Basic Contract Amount including Other Contract Amendments | \$ <u>15,098,064.00</u> |
| Total Contract Amount including This Change Order | \$ <u>14,951,064.08</u> |

The total Change Order amount is (less)(more*) than 5% of the basic Contract amount.

Pacific Ventures, Inc.
 Contractor

1 P. W. W. Sh. L.
 by 12/9/80
 Date

[Signature]
 Initiator 12/8/80
 Date

[Signature]
 Engineer 12-9-80
 Date

[Signature]
 Bureau Manager 12-10-80
 Date

*
 Commissioner _____
 Date

DETAILS OF CHANGE ORDER NO. 7

1. Revise turbine pit configuration at both Powerhouses 1 and 2 as shown on revised sheets 1G7, 1S2, 1S7, 1S22, 1S24, 1S25, 1M14, and 2S2, 2S15, 2S16, 2S17, 2S18, and 2M12.
2. Relocate generator foundations and turbine pit access at Powerhouse No. 2 as shown on revised sheets 2S15, 2S17, 2S18, 2M11.
3. Add 6" air admission piping at Powerhouse No. 1 as shown on revised sheets 1S, 1M13, 1M14, 1M15.
4. Add generator brake-jack air and oil piping at Powerhouses 1 and 2 as shown on revised sheets 1M14, 1M18, 2M11, 2M12.
5. Not used.
6. Relocate 1-1/2" SW pipe at Powerhouses No. 1 as shown on revised sheet 1M13.
7. Relocate ventilation duct at Powerhouse No. 2 as shown on revised sheet 2M29.
8. Relocate flow indicators (FI) and flow valves (FV) on air cooler cooling water piping at Powerhouses 1 and 2 as shown on revised sheets 1M18 and 2M15.
9. Change size of air cooler cooling water supply piping and connection point of guide bearing cooling water supply at Powerhouse No. 2 as shown on revised sheet 2M15.
10. Change oil separator length at Powerhouse No. 1 as shown on revised sheet 1M3.
11. Change oil skimmer to model number 15 at Powerhouse No. 2. Specification Section 15400 is revised accordingly.
12. Revise governor air (GA) piping route at Powerhouse No. 2 as shown on revised sheet 2M12.
13. Not used.
14. Revise penstock diameters at Powerhouses 1 and 2 as shown on revised sheets 1S22, 2S5, and 2S29.
15. Revise tailrace gate springs at Powerhouses 1 and 2 as shown on revised sheets 1S33, and 2S25.

16. The tailrace gate and guide dimensions at Powerhouses 1 and 2 are clarified on revised sheets 1S34 and 2S7, 2S8, 2S14.
17. Eliminate hatch cover in engine generator building and add curb around floor opening at Powerhouse 2 as shown on revised sheets 2S23, 2A6, 2A7.
18. The design of the ladder and platform at penstock access pit at Powerhouse No. 1 is clarified on revised sheets 1G7, 1G11, 1S2, and 1S7.
19. The expansion joint between Powerhouse No. 2 and the penstock is revised as shown on sheet 2S13, 2S14, and 2S29.

Contractor



City





Project Name: Powerhouses Nos. 1 and 2

DATE: December 3, 1980

CHANGE ORDER NUMBER: 8
 CONTRACT NUMBER: 18580
 ORDINANCE NUMBER: 149634
 CONTRACT DATE: June 5, 1980
 PURCHASE ORDER NO: 12731

You are directed to make the following changes in this Contract and proceed with work:

1. Furnish and install warning signs on the boundaries of the slide area on the access road into Powerhouse No. 1 for a lump sum price of \$472.00.
2. Furnish and install a slide detection alarm per plan supplied by the Engineer on the slide area above the access road to Powerhouse No. 1 for a lump sum price of \$3,064.00

It is understood and agreed that the contractor will furnish all the material, equipment, and labor to accomplish the above required work.

3. Increase the bid item for Rock Excavation in Schedule "A" by 604 cubic yards at \$17.00 per cubic yard, total increase: \$10,268.00.
4. Increase the bid item for Rock Anchors, #11 bars in Schedule "A" by 867 ln. ft. at \$19.40 per ln. ft, total increase: \$16,819.00

It is understood that the contractor will perform the above work in accordance with the appropriate specifications. The contractor will be compensated at the respective unit price for the items.

| | |
|---|-------------------------|
| The Change Order Amount This Change Order | \$ <u>30,623.00</u> |
| Total Previous Change Order Amount | \$ <u>(146,999.92)</u> |
| Total Change Orders | \$ <u>(116,376.92)</u> |
| Basic Contract Amount Including Other Contract Amendments | \$ <u>15,098,064.00</u> |
| Total Contract Amount Including This Change Order | \$ <u>14,981,687.08</u> |

The total Change Order amount is (less)(more*) than 5% of the basic Contract amount.

Robert Workman
 Contractor
J.P. McSk
 by _____ Date 12-9-80

CP Helton 12/8/80
 Initiator Date
James L. ... 12-9-80
 Engineer Date
James L. ... 12-10-80
 Bureau Manager Date
 * _____
 Commissioner Date



Project Name: Powerhouses Nos. 1 and 2

DATE: December 3, 1980

CHANGE ORDER NUMBER: 9
 CONTRACT NUMBER: 18680
 ORDINANCE NUMBER: 149634
 CONTRACT DATE: June 5, 1980
 PURCHASE ORDER NO: 12731

You are directed to make the following changes in this Contract and proceed with work:
 Excavate one additional foot below that staked in the easterly half of the foundation for Powerhouse No. 2 as directed.

The work was accomplished on a force account basis for a total compensation of \$3,360.47.

| | |
|---|-------------------------|
| The Change Order Amount This Change Order | \$ <u>3,360.47</u> |
| Total Previous Change Order Amount | \$ <u>(116,376.92)</u> |
| Total Change Orders | \$ <u>(113,016.45)</u> |
| Basic Contract Amount Including Other Contract Amendments | \$ <u>15,098,064.00</u> |
| Total Contract Amount Including This Change Order | \$ <u>14,985,047.55</u> |

The total Change Order amount is (less)(more*) than 5% of the basic Contract amount.

Parsons Corporation Inc.
 Contractor
12/9/80
 by _____ Date

[Signature] 12/8/80
 Initiator Date
[Signature] 12-9-80
 Engineer Date
[Signature] 12-10-80
 Bureau Manager Date
 * _____
 Commissioner Date

ORDINANCE NO. 150882

An Ordinance authorizing Change Orders Nos. 4, 5, 6, 7, 8, and 9 increasing the total of Contract No. 18680 with Pacific Ventures, Inc., for the construction of Powerhouses Nos. 1 and 2, by \$101,419.55, for the Bureau of Hydroelectric Power, transferring funds from Contingency, and declaring an emergency.

The City of Portland ordains:

Section 1. The Council finds:

1. That a temporary power substation is necessary for construction power at a cost of \$20,781.26.
2. That additional blasting was needed at the Powerhouse No. 1 site to remove a buried reinforced concrete block at a cost of \$1,688.83.
3. That additional cutting and welding was required in the installation of the multi-port valve in an amount of \$9,392.99.
4. That revisions are necessary in the configuration of Powerhouses Nos. 1 and 2 to meet the needs of the turbine and generator supplier for a lump sum amount of \$35,567.00.
5. That it is necessary to warn the construction workers of small rock slides for a cost of \$3,536.00 to increase the quantity of rock excavation by an amount of 604 cubic yards at Powerhouse No. 1 for a cost of \$10,268.00, and increase the quantity of Number 11 Bar rock anchors by an amount of 867 lineal feet for a cost of \$16,819.00. The total amount of these changes are \$30,623.00.
6. That one foot additional excavation was required in the foundation area at Powerhouse No. 2 for a cost of \$3,360.47.
7. That Change Orders Nos. 4, 5, 6, 7, 8, and 9 should be accepted by the City.
8. That the overall contract price of Contract No. 18680 with Pacific Ventures, Inc. be increased by \$101,419.55, which is still \$113,016.45 below the original contract amount.
9. That \$101,419.55 needs to be transferred from Hydropower Contingency to the Hydropower Construction Fund.

NOW, THEREFORE, the Council directs:

- a. That Change Orders Nos. 4, 5, 6, 7, 8, and 9 be accepted by the City for a contract increase of \$101,419.55 for Contract No. 18680 with Pacific Ventures, Inc. Change Orders Nos. 4, 5, 6, 7, 8, and 9 are attached hereto and made part of this Ordinance.
- b. That \$101,419.55 is transferred from the Hydropower Contingency, BUC #64000012, Object Code 710, to the Hydropower Construction Fund, BUC #64200003, Object Code 610.

Calendar No. 4425

ORDINANCE No. 150882

Title

An Ordinance authorizing Change Orders Nos. 4, 5, 6, 7, 8, and 9 increasing the total of Contract No. 18680 with Pacific Ventures, Inc., for the construction of Powerhouses Nos. 1 and 2, by \$101,419.55, for the Bureau of Hydroelectric Power, transferring funds from Contingency, and declaring an emergency.

| THE COMMISSIONERS VOTED AS FOLLOWS: | | |
|-------------------------------------|------|------|
| | Yeas | Nays |
| Jordan | 1 | |
| Lindberg | 1 | |
| Schwab | 1 | |
| Ivancie | 1 | |

| FOUR-FIFTHS CALENDAR | |
|----------------------|--|
| Ivancie | |
| Jordan | |
| Lindberg | |
| Schwab | |
| McCready | |

| |
|---------------|
| INTRODUCED BY |
| Mayor Ivancie |

| |
|---|
| NOTED BY THE COMMISSIONER |
| Affairs |
| Finance and Administration <i>FJE/Man</i> |
| Safety |
| Utilities |
| Works |

| |
|--|
| BUREAU APPROVAL |
| Bureau: Hydroelectric Power |
| Prepared By: J. L. Doane Date: 12-5-80 |
| Budget Impact Review: <input checked="" type="checkbox"/> Completed <input type="checkbox"/> Not required |
| Bureau Head: <i>James L. Doane</i> James L. Doane, Manager |

| | |
|----------|---|
| CALENDAR | |
| Consent | Regular <input checked="" type="checkbox"/> |

| |
|---------------|
| NOTED BY |
| City Attorney |
| City Auditor |
| City Engineer |

Filed DEC 12 1980

GEORGE YERKOVICH
Auditor of the CITY OF PORTLAND

By *Gordon Russell*
Deputy

ORDINANCE No.

Section 2. The Council declares that an emergency exists because a delay will result in an increase in price from the alternative suppliers which would result in higher costs for the City; therefore, this Ordinance shall be in force and effect from and after its passage by the Council.

| |
|---------|
| McGowan |
| Zimmer |
| Harwood |
| Torgus |
| Ivancic |
| FOLKELL |

Mayor of the City of Portland
GEORGE A. FROST

Date: DEC 12 1980

emergency.
from CompuEnergy, and declaring an
electric power, transmission lines
3101.419.00. for the Bureau of Hydro-
electric powerhouses nos. 1 and 2. by
the Ventures, Inc., for the construc-
tion of contract No. 11520 with Proj-
ect No. 1, 2, and 3. and a successful bid
An Ordinance amending Ordinance 11520

file

ORDINANCE NO. 150882

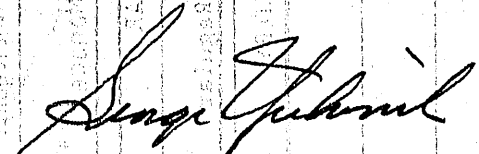
Calendar No. 11520

| | |
|---|--|
| City Engineer | |
| City Auditor | |
| City Attorney | |
| City Clerk | |
| City Treasurer | |
| City Controller | |
| City Director of Public Works | |
| City Director of Transportation | |
| City Director of Planning | |
| City Director of Community Development | |
| City Director of Economic Development | |
| City Director of Cultural Affairs | |
| City Director of Parks and Recreation | |
| City Director of Public Health | |
| City Director of Social Services | |
| City Director of Senior Services | |
| City Director of Youth Services | |
| City Director of Women's Services | |
| City Director of Human Resources | |
| City Director of Information Systems | |
| City Director of Management Services | |
| City Director of Procurement | |
| City Director of Technical Services | |
| City Director of Training | |
| City Director of Administrative Services | |
| City Director of Legal Services | |
| City Director of Public Safety | |
| City Director of Police | |
| City Director of Fire | |
| City Director of Public Safety Training | |
| City Director of Public Safety Administration | |
| City Director of Public Safety Services | |
| City Director of Public Safety Support | |
| City Director of Public Safety Administration | |
| City Director of Public Safety Services | |
| City Director of Public Safety Support | |
| City Director of Public Safety Administration | |
| City Director of Public Safety Services | |
| City Director of Public Safety Support | |

Passed by the Council, **DEC 17 1980**

Mayor Ivancic
December 5, 1980
J. L. Doane/jr
BUC #64000012
BUC #64200003

Attest:


Auditor of the City of Portland

Calendar No. 4425

ORDINANCE No. 150882

Title

An Ordinance authorizing Change Orders Nos. 4, 5, 6, 7, 8, and 9 increasing the total of Contract No. 18680 with Pacific Ventures, Inc., for the construction of Powerhouses Nos. 1 and 2, by \$101,419.55, for the Bureau of Hydroelectric Power, transferring funds from Contingency, and declaring an emergency.

| THE COMMISSIONERS VOTED AS FOLLOWS: | | |
|-------------------------------------|------|------|
| | Yeas | Nays |
| Jordan | 1 | |
| Lindberg | 1 | |
| Schwab | 1 | |
| Ivancie | 1 | |

| FOUR-FIFTHS CALENDAR | |
|----------------------|--|
| Ivancie | |
| Jordan | |
| Lindberg | |
| Schwab | |
| McCready | |

| |
|---------------|
| INTRODUCED BY |
| Mayor Ivancie |

| |
|---|
| NOTED BY THE COMMISSIONER |
| Affairs |
| Finance and Administration <i>FJD/Man</i> |
| Safety |
| Utilities |
| Works |

| |
|--|
| BUREAU APPROVAL |
| Bureau: Hydroelectric Power |
| Prepared By: J. L. Doane Date: 12-5-80 |
| Budget Impact Review: <input checked="" type="checkbox"/> Completed <input type="checkbox"/> Not required |
| Bureau Head: <i>James L. Doane</i> James L. Doane, Manager |

| | |
|----------|---|
| CALENDAR | |
| Consent | Regular <input checked="" type="checkbox"/> |

| |
|---------------|
| NOTED BY |
| City Attorney |
| City Auditor |
| City Engineer |

Filed DEC 12 1980

GEORGE YERKOVICH
Auditor of the CITY OF PORTLAND

By *Gordon Hall*
Deputy