

BEFORE THE

IDAHO PUBLIC UTILITIES COMMISSION

CASE NO. IPC-E-00-12

IDAHO POWER COMPANY

EXHIBIT NO. 101

D. SIKES

**Title:**

BCRT BUILD NEW 69/12.5KV STATION

Funct: 41	KeyInfo: CUSTOMER-	Date of Origin: 05/27/1999	Seq. No. 2113
Status: PENDING	Region: W	In-service-Date: 06/01/2000	RevNum: 1
Sponsor: DISTPLAN	Area: BOISE_MRDN_EAGLE	Proj Lead Time(Mos): 13	RevDate: 06/10/1999
By: KA GEORGESON	Project: BCRT: NEW SUBSTATION	COST in K\$ 1,200	BUCKET CRITICAL

**Decision:**

Build a new 69/12.5kV 20/28MVA station near the HP Call Center site on Franklin Rd between Maple Grove and 5 Mile Roads.

**Scope/Impact:**

Determine the best course of action to serve the customer load requests for 4MW of additional load North of the existing HP Call center, off of Emerald St. between Kimball and Mitchell St. by June of 2000.

**Purpose/Driving Force :**

- Feeder Loading
- Right-of-way concerns
- Short Construction time
- Continuing to serve the load growth in the area
- Railroad access fees

**Alternatives:**

- Do nothing
- Build an additional feeder out of Cloverdale Substation
- Refuse to serve this added load

**Information:**

A new distribution feeder could be built from the existing Cloverdale substation to serve this new load but this would only be a temporary fix. Cost for this line could run about \$100,000 per year in Railroad R/W fees. Within a year or so an additional feeder would also be required to continue to serve the increasing loads in this area. This 5th feeder running east out of Cloverdale would cause a problem of where to build the circuit. The exiting 2 lines are already contain double distribuion circuits, with a transmission line on top. The best answer to this problem is to install additional capacity to relieve the distribution of the higher than normal load densities at the end of the lines. This will allow the existing circuits to pick up the other existing and future loads in Cloverdale's service area.

**New loads:**

- Phase 1: 1500kVA by Oct 1, 1999
- Phase 2: 1500kVA by Jan 1, 2000
- Phase 3: 1000kVA by Mar 1, 2000
- Phase 4: included with Phase 1 by June 1, 2000
- Phase 5: 1000kVA by Jan 1, 2001

**Ultimate Build-out in foreseeable future:**

- 3 feeders - 2 when station is built, 3rd to follow a couple of years later.
- Station will initially be served from the 69kV transmission. This line will be converted to 138kV in the next 3-5 years.
- When the CDAL-WYEE 69kV line is converted to 138kV, both the WYEE and HPJR stations will both need to be converted to 138kV also.
- Station will ultimately be served with a 28MVA transformer.

EXHIBIT NO. 101  
CASE NO. IPC-E-00-12  
D. SIKES, IPCO  
PAGE 1 OF 1

BEFORE THE

IDAHO PUBLIC UTILITIES COMMISSION

CASE NO. IPC-E-00-12

IDAHO POWER COMPANY

EXHIBIT NO. 102

D. SIKES



**Service Request**

Service Request No. <b>00035882</b>	Client Order No.	Work Order No.	Panel M700
Request Type <b>CS</b>	Prepaid Eng. Fees (16)	Eng Fee DCR No (18)	Eng Fee DCR Dt (19)
Description (Client Name; Work Description) <b>WH MOORE COMPANY - HEWLETT PACKARD CALL CENTER - 4 MW - LOAD</b>			
Client I.D.	Client Account No.	SSN	Employer
			Rate Sch (15)
Region	City/Feeder	Sequence (Service Address)	Section
WID	ADA		Township
Originated (Date/Time) <b>06/16/1999 10:00</b>		Taken By <b>FGH2506</b>	Planning Center/Team
Required in Service Date <b>10/01/1999</b>		Reply By	Project No.

<b>Contact Profile</b>			Panel X950
Type <b>CUST</b>	Name <b>JONATHAN SEEL</b>	Phone Number <b>208-323-1919</b>	Ext.
Address <b>600 N Steelhead Way</b>			
City: <b>BOISE</b>		State:ID	Zip Code: <b>83704</b>
252	Name	Phone Number	Ext.
Refund Name <b>WH MOORE</b>	<b>WH MOORE</b>	<b>208-323-1919</b>	
Address <b>600 Steelhead Way</b>			
City: <b>BOISE</b>		State:ID	Zip Code: <b>83704</b>

<b>Attributes</b>						Panel X270
RES/COM	Sq. Ft (25)	Voltage (26)	No. Phases (27)	Wtr.Htr.KW (28)	KW Heating (29)	
KW A/C (30)		KW Motors (31)	Largest Motor (32)	1 Phase NL (33)	3 Phase NL (34) <b>4.0 MW</b>	
No.Mtrs (35)	Mtr Loc.(36)	CT Loc.(37)	Primary (38) OH/UG	Service (39) OH/UG	Srv. Ownr.(40)	
<b>IRRG</b>	Total HP (45)	Lrgst.Motor (46)	No. Phases (47)	Voltage (48)	Primary (49) OH/UG	
Service (50) OH/UG	Service Owner (51)		Pump No.(52)	KVA (53)	Water Source (54)	
Sys. Type (55)	Acres (56)	Lift (57)	No. of Motors (58)	CT Locs.(59)	Tax ID(60)	
<b>SUBD</b>	No. of Lots (65)	No. of lots x 800=Avail. Refund		Ave. Lot Front Ft.(66)		
Flat Approved? (67)		Primary OH/UG (68)		Service OH/UG (69)		

**Notes** 363 Panel X291

**New Service for site along Emerald Road. Site location is 312 N. Kimball Existing 300 KVA transformer at building shell to be removed. This request is for the site work only, not for substation work.**

**Notice**

I understand that the information provided above is accurate to the best of my knowledge. Changes to load; voltage; location; etc. may result in additional engineering charges.

<b>Acceptance</b>		<b>Idaho Power Use</b>	
Client's Signature	Date	Facility Representative	Date
<i>[Signature]</i>	6/18/99	<i>[Signature]</i>	6/17/99