

RECEIVED
RECORDS MANAGEMENT

00 MAY -4 PM 4:13

STATE OF WASH.
UTIL. AND TRANSP.
COMMISSION

BEFORE THE WASHINGTON UTILITIES &
TRANSPORTATION COMMISSION

DOCKET NOs. UE-991606 &
UG-991607

Exhibit No. ____ (NEH-1),
Company Response to Record Request 033:
Use of Electric Heat by Low-income Households

| | | |
|-------------------------------------|--------------------------|--------------------------|
| WUTC | | |
| DOCKET NO. | <u>UE-991606</u> | |
| EXHIBIT # | <u>650</u> | |
| ADMIT | W/D | REJECT |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

**AVISTA UTILITIES
RESPONSE TO REQUEST FOR INFORMATION**

| | | | |
|---------------|----------------|----------------|---|
| JURISDICTION: | Washington | DATE PREPARED: | 4/13/00 |
| CASE NO: | UE-991606 | WITNESS: | Brian Hirsch Korn |
| | UG-991607 | RESPONDER: | Brian Hirsch Korn |
| REQUESTER: | NWEC | DEPT: | Rates |
| TYPE: | Record Request | TELEPHONE: | (509) 495-4723 |
| DUE DATE: | 4/14/00 | FIELD AUDIT: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| REQUEST NO.: | 033 | | |

REQUEST:

Please provide the information from the Company's residential survey which shows that 27% of Avista's customers, with an annual income of less than \$15,000, use electric heat.

RESPONSE: See attached information. Also shown is the average electric usage for primary electric heat customers with annual income less than \$15,000 per year.

Q6a:What is the MAIN source of heat for your home? This would be the type of energy that provides the most heat during the coldest part of the year. Would that be ...?Washington Only (Low Income Only)

| REGION | SOUTH | | Total of Customers in Region 2,098 | | | | |
|--|-----------|-------------|-------------------------------------|--------|---------|--------------|--|
| | Cord Wood | Electricity | Natural Gas | Oil | Other | Wood Pellets | |
| Number of customers in Region by Heat Source | | 350 | 1,049 | 350 | 350 | | |
| Main Heat this region / Main Heat Grand Total for this Energy Source | | 6.20% | 8.28% | 48.85% | 100.00% | | |
| Percent of Total Customers by Heat Source | | 1.68% | 5.04% | 1.68% | 1.68% | | |
| Percent of Region Customers by Heat Source | | 16.67% | 50.00% | 16.67% | 16.67% | | |
| REGION | SPOKANE | | Total of Customers in Region 15,782 | | | | |
| | Cord Wood | Electricity | Natural Gas | Oil | Other | Wood Pellets | |
| Number of customers in Region by Heat Source | 351 | 4,559 | 10,521 | | | 351 | |
| Main Heat this region / Main Heat Grand Total for this Energy Source | 32.39% | 80.82% | 83.05% | | | 100.00% | |
| Percent of Total Customers by Heat Source | 1.69% | 21.91% | 50.56% | | | 1.69% | |
| Percent of Region Customers by Heat Source | 2.22% | 28.89% | 66.67% | | | 2.22% | |
| REGION | WEST | | Total of Customers in Region 2,929 | | | | |
| | Cord Wood | Electricity | Natural Gas | Oil | Other | Wood Pellets | |
| Number of customers in Region by Heat Source | 732 | 732 | 1,098 | 366 | | | |
| Main Heat this region / Main Heat Grand Total for this Energy Source | 67.61% | 12.98% | 8.67% | 51.15% | | | |
| Percent of Total Customers by Heat Source | 3.52% | 3.52% | 5.28% | 1.76% | | | |
| Percent of Region Customers by Heat Source | 25.00% | 25.00% | 37.50% | 12.50% | | | |
| Grand Total of Respondants | 1,083 | 5,641 | 12,669 | 716 | 350 | 351 | |
| Percent of Total Customers by Fuel | 5.20% | 27.11% | 60.88% | 3.44% | 1.68% | 1.69% | |
| Total Customers in All Regions: | | | 20,809 | | | | |

INDY REPORT

Main Heat Source:

Cord Wood

| | Jan97 | Feb97 | Mar97 | Apr97 | May97 | Jun97 | Jul97 | Aug97 | Sep97 | Oct97 | Nov97 | Dec97 | Annual Usage |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------------|
| Avg | 804.33 | 603.33 | 702.67 | 818.00 | 751.67 | 605.67 | 528.00 | 467.00 | 646.33 | 890.00 | 483.00 | 1160.00 | 8460.00 |
| Min | 233 | 230 | 380 | 604 | 595 | 437 | 360 | 260 | 460 | 750 | 270 | 600 | 6770 |
| Max | 1680 | 1020 | 938 | 1110 | 930 | 830 | 640 | 640 | 820 | 1110 | 600 | 1800 | 11250 |
| Percent of Total Avg. Annual Usage-this heat source | 9.51% | 7.13% | 8.31% | 9.67% | 8.88% | 7.16% | 6.24% | 5.52% | 7.64% | 10.52% | 5.71% | 13.71% | 100.00% |

Main Heat Source:

Electricity

| | Jan97 | Feb97 | Mar97 | Apr97 | May97 | Jun97 | Jul97 | Aug97 | Sep97 | Oct97 | Nov97 | Dec97 | Annual Usage |
|---|---------|---------|---------|---------|---------|--------|--------|--------|--------|---------|---------|---------|--------------|
| Avg | 2616.13 | 2174.19 | 1785.50 | 1429.63 | 1186.00 | 914.31 | 832.75 | 854.38 | 865.94 | 1014.19 | 1355.69 | 1965.56 | 16994.25 |
| Min | 600 | 660 | 120 | 70 | 200 | 150 | 130 | 160 | 170 | 130 | 190 | 380 | 4730 |
| Max | 6300 | 4800 | 4400 | 4200 | 4040 | 3440 | 3760 | 3840 | 4080 | 4040 | 4480 | 6280 | 52560 |
| Percent of Total Avg. Annual Usage-this heat source | 15.39% | 12.79% | 10.51% | 8.41% | 6.98% | 5.38% | 4.90% | 5.03% | 5.10% | 5.97% | 7.98% | 11.57% | 100.00% |

Main Heat Source:

Natural Gas

| | Jan97 | Feb97 | Mar97 | Apr97 | May97 | Jun97 | Jul97 | Aug97 | Sep97 | Oct97 | Nov97 | Dec97 | Annual Usage |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|