

APPENDIX "A"

LOUISVILLE GAS & ELECTRIC COMPANY

SUPPORTING DATA FOR DETERMINATION OF "ESTIMATED AVERAGE COST DIFFERENTIAL" ELECTRIC UNDERGROUND RESIDENTIAL DISTRIBUTION

I. Single Family Residential Subdivisions

A. Representative underground costs:	
1. Estimated construction cost for 5 underground projects (325 lots)	\$120,286.60
2. Aggregate front-footage	29,448 ft.
3. Average unit cost per front-foot	\$ 4.08
B. Representative overhead costs:	
1. Estimated construction cost for 5 subdivisions if served overhead, excl. services (325 lots)	\$ 63,000.18
2. Service credit: 325 @ \$50.00 (Note 1)	16,250.00
3. Adjusted total cost	\$ 79,250.18
4. Aggregate front-footage	29,448 ft.
5. Average unit cost per front-foot	\$ 2.69
C. Estimated average cost differential (A3-B5)	\$ 1.39
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II. High-Density, Multiple-occupancy Projects

A. Representative underground costs	
1. Estimated construction cost for 5 underground projects (115 services)	\$ 50,591.75
2. Family dwelling units	652
3. Average cost per family dwelling unit	\$ 77.59
B. Representative overhead costs:	
1. Estimated construction cost for 5 projects if served overhead, excl. services (115 services)	\$ 31,006.51
2. Service credit: 115 @ \$50.00 (Note 1)	5,750.00
3. Adjusted total cost	\$ 36,756.51
4. Family dwelling units	652
5. Average cost per family dwelling unit	\$ 56.38
C. Estimated average cost differential (A3-B5)	\$ 21.21 per unit

Note 1: Average of all service costs installed during 1973 was \$43.60. Pursuant to PSC rules, a credit of \$50.00 per service has been allowed.

June 14, 1974

CHECKED
PUBLIC SERVICE COMMISSION
JUL 10 1974
by *JRB*
ENGINEERING DIVISION

APPENDIX "A"

LOUISVILLE GAS & ELECTRIC COMPANY

SUPPORTING DATA FOR DETERMINATION OF "ESTIMATED AVERAGE COST DIFFERENTIAL" ELECTRIC UNDERGROUND RESIDENTIAL DISTRIBUTION

I. Single Family Residential Subdivisions

A. Average underground costs:

1. Actual construction cost for 46 underground projects (2007 lots)	\$610,982.28
2. Less rock removal charges paid by developers	<u>32,613.45</u>
3. Adjusted total cost	\$578,368.83
4. Aggregate front-footage	178,374 ft.
5. Average unit cost per front-foot	\$3.24

B. Representative overhead costs:

1. Estimated construction cost for 5 subdivisions if served overhead, excl. services (324 lots)	\$ 45,925.43
2. Service credit: 324 @ \$50.00 (Note 1)	<u>16,200.00</u>
3. Adjusted total cost	\$ 62,125.43
4. Aggregate front-footage	29,448 ft.
5. Average unit cost per front-foot	\$ 2.11

C. Estimated average cost differential (A5-B5)	\$ 1.13
Rounded down to nearest 5¢ interval	<u>1.10</u>

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II. High-Density, Multiple-occupancy Projects

A. Average underground costs

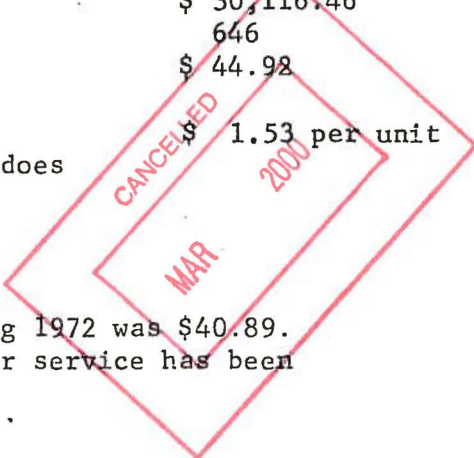
1. Actual construction cost for 32 underground projects (580 services)	\$197,625.21
2. Less rock removal charges paid by developers	<u>2,411.06</u>
3. Adjusted total cost	\$195,214.15
4. Family dwelling units	4203
5. Average cost per family dwelling unit	\$46.45

B. Representative overhead costs:

1. Estimated construction cost for 5 projects if served overhead, excl. services (103 services)	\$ 24,966.46
2. Service credit: 103 @ \$50.00 (Note 1)	<u>5,150.00</u>
3. Adjusted total cost	\$ 30,116.46
4. Family dwelling units	646
5. Average cost per family dwelling unit	\$ 44.92

C. Estimated average cost differential (A5-B5)	\$ 1.53 per unit
Differential averages \$200 per project which does not justify administrative cost to require contribution.	

Note 1: Average of all service costs installed during 1972 was \$40.89. Pursuant to PSC rules, a credit of \$50.00 per service has been allowed.



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SUPPORTING DATA FOR DETERMINATION OF
"ESTIMATED AVERAGE COST DIFFERENTIAL"
ELECTRIC UNDERGROUND RESIDENTIAL DISTRIBUTION

Single Family Residential Subdivisions

A. Representative underground costs:	
1. Estimated construction cost for 5 underground projects (446 lots)	\$280,489
2. Aggregate front-footage	42,783 ft.
3. Average unit cost per front-foot	\$ 6.56
B. Representative overhead costs:	
1. Estimated construction cost for same 5 projects if served overhead, excl. service drops (446 lots)	\$197,661
2. Service drops: 446 @ \$55.00 (Note 1)	<u>24,530</u>
3. Total cost	\$222,191
4. Aggregate front-footage	42,783 ft.
5. Average unit cost per front-foot	\$ 5.19
C. Estimated average cost differential (A3 - B5)	\$ 1.37

Note 1: Average cost of all overhead services installed during 1974 was \$54.34. Pursuant to PSC rules, a credit of \$55.00 per service has been allowed.

August 25, 1975

