

# COST SAVINGS WITH THE METLUND D'MAND SYSTEM

IF EACH HOME SAVED ONLY 20 GALLONS OF WATER EACH DAY, OR 7,300 GALLONS PER YEAR, THEN IN ONE YEAR THE IMPACTS WOULD BE...

## FOR THE HOMEOWNERS

7,300 GALLONS OF WATER SAVED

\$151 SAVED (INCLUDING NATURAL GAS FOR WATER HEATING, AND SEWER) OR

\$175 SAVED (INCLUDING PROPANE FOR WATER HEATING, WATER, AND SEWER) OR

\$242 SAVED (INCLUDING ELECTRICITY FOR WATER HEATING, WATER, AND SEWER)

## FOR THE WATER UTILITIES

### WATER DELIVERY

7,300 GALLONS OF WATER NOT PUMPED, TREATED AND SUPPLIED TO THE HOMES

7 KILOWATT-HOURS OF ELECTRICITY SAVED

\$1 SAVED FOR ENERGY

\$0.006 SAVED FOR CHEMICALS

### WASTEWATER TREATMENT

7,300 GALLONS OF WASTEWATER NOT REMOVED FROM THE HOMES, TREATED AND RETURNED TO THE ENVIRONMENT

16 KILOWATT-HOURS OF ELECTRICITY SAVED

\$2 SAVED FOR ENERGY

\$0.219 SAVED FOR CHEMICALS

## FOR THE ELECTRIC UTILITIES

1,689 KILOWATT-HOURS OF ELECTRICITY SAVED

1 TONS OF CARBON DIOXIDE EMISSIONS AVOIDED

0.074 TONS OF NITROGEN OXIDES AVOIDED

## FOR THE NATURAL GAS UTILITIES

78 THERMS OF NATURAL GAS SAVED

1 TONS OF CARBON DIOXIDE EMISSIONS AVOIDED

0.002 TONS OF NITROGEN OXIDES AVOIDED

\*THE DATA IN THIS TABLE ARE BASED ON THE ASSUMPTIONS ON THE FOLLOWING PAGE.

# ASSUMPTIONS

LOW

HIGH

AVERAGE

## COLD WATER TEMPERATURE (F)

GROUND WATER OR DELIVERED TO HOUSE  
(ROUND TO NEAREST NUMBER IN CHART)

40

60

50

## HOT WATER TEMPERATURE (F)

AT WATER HEATER  
(ROUND TO NEAREST NUMBER IN CHART)

120

160

140

### BTU/GALLON

SMALLEST TEMPERATURE DIFFERENCE

500

(LOW HOT, HIGH COLD)

LARGEST TEMPERATURE DIFFERENCE

1,000

(LOW COLD, HIGH HOT)

AVERAGE TEMPERATURE DIFFERENCE

750

(AVG. COLD, AVG HOT)

## ENERGY COSTS

NAT. GAS

PROPANE

ELEC.

COST (\$/THERM, \$/KWH, \$/GALLON)

\$1.00

\$1.20

\$0.10

ENERGY CONTENT

\$100,000

91,547

3,412

(1TH = 100,000 BTU)

(1KWH = 3412 BTU)

(1GAL = 91,547 BTU)

WATER HEATER EFFICIENCY

0.7

0.7

0.95

## WATER COSTS

(\$/1000 GALLONS)

(748 GALLONS = 1 CCF)

\$5.00

## SEWER COSTS

(\$/1000 GALLONS)

(748 GALLONS = 1 CCF)

\$5.00

## WATER DELIVERY SYSTEM

ENERGY SAVINGS

0.00091

KWH PER GALLON

\$0.0000910

PER GALLON

CHEMICAL SAVINGS

\$0.0000008

PER GALLON

## WASTEWATER TREATMENT SYSTEM

ENERGY SAVINGS

0.002157

KWH PER GALLON

\$0.00022

PER GALLON

CHEMICAL SAVINGS

\$0.00003

PER GALLON

THE ENERGY SAVINGS ARE BASED ON THE AVERAGE TEMPERATURE DIFFERENCE. ENERGY AND CHEMICAL SAVINGS FOR WATER DELIVERY AND WASTEWATER TREATMENT ARE BASED ON THE SACRAMENTO AREA.