

ULTRAFRYER CASE STUDY

We saved BJ's \$3,709.16 per year in gas costs.



**RESTAURANT
BREWHOUSE**

BJ'S Restaurant and Brewhouse
24032 El Toro Road
Laguna Hills, California



Gas Meter Test to Determine Fryer Gas Usage

TESTING EXISTING FRYERS



- A gas meter was installed on the existing fryers July 22, 2011.
- Bank of 3 45 lb. shortening capacity fryer.

EXISTING FRYERS		
Dates	Meter Reading	Usage
22-Jul	0	N/A
29-Jul	160	160*
5-Aug	275	115
12-Aug	409	134
19-Aug	499	90
25-Aug	589	90
2-Sep	707	118
9-Sep	814	107
16-Sep	920	106
23-Sep	1022	102
Average Weekly Usage		107.75 ccf

- Store management was contacted each week. The meter readings are recorded here:
- Excluding the first week's readings due to a gas line leak, the average weekly gas usage was 107.75 ccf.

COST OF GAS USING EXISTING FRYERS

- Existing fryers averaged 107.75 ccf week in gas usage.
- Average cost per ccf in California = \$1.03 / ccf.
- $1.03 \times 107.75 = \$110.98$ per week.
- $\$110.98 \times 52 \text{ weeks} = \$5,770.96$ per year in gas



ULTRAFRYERS INSTALLED AND TESTED

- Ultrafryer fryers were installed October 4, 2011.
- The same meter was installed on these fryers.
- Bank of 3-45 lb. shortening capacity fryer.

COST OF GAS USING ULTRAFRYER FRYERS

ULTRAFRYERS		
Dates	Meter Reading	Usage
4-Oct	1219	NA
12-Oct	1261	42
18-Oct	1294	33
25-Oct	1331	37
1-Nov	1370	39
8-Nov	1414	44
15-Nov	1450	36
Average Weekly Usage		38.5 ccf

- Store management was contacted each week. The meter readings are recorded here:
- The average weekly gas usage thus far is 38.5 ccf.
- Ultrafryer fryers averaged 38.50 ccf per week in gas usage.
- Average cost per ccf in California = \$1.03 / ccf.
- $1.03 \times 38.50 = \$39.65$ per week.
- $\$39.65 \times 52 \text{ weeks} = \$2,061.80$ per year in gas.

GAS SAVINGS WITH ULTRA FRYER FRYERS

- Existing fryers annual gas cost = \$5770.96.
- Ultrafryer annual gas cost = \$2061.80.

ANNUAL GAS SAVINGS WITH ULTRAFRYER
\$3,709.16