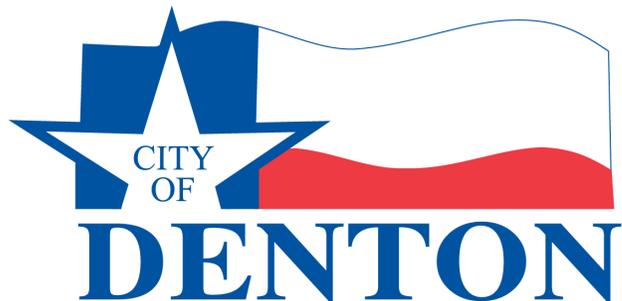


2016 Energy Summit

Phil Williams
General Manager



Denton Municipal Electric

- Municipally owned utility since 1905
- 50,000+ customers
 - 88% residential
 - 12% commercial & industrial
- 174 DME employees and 50 Customer Service employees
- Grid Operator is Electric Reliability Council of Texas (ERCOT)
- City Council and Public Utilities Board

GreenSense Energy Efficiency Rebates

(Residential and Small Commercial)

HVAC	Min. SEER 16	\$600
Heat Pump / Geothermal	Min. SEER 16	\$700
Attic Insulation	Min. R-38	50% up to \$400
Solar Screens	Min. 90% Reflective	30% up to \$200
Windows	U-Factor .29 or less SHGC .30 or less	30% up to \$500
Solar Water Heater	Many Requirements	30% up to \$500
Radiant Barrier	Foil > 90% Paint < 90%	\$300 \$200
Smart Thermostat	Remote Access / Learn Behavior	50% up to \$50
Air Duct Repair	Documented Air Loss	30% up to \$200
Photo Voltaic (Solar)	Many Requirements	\$1.50/watts_{SAC} up to \$30,000

GreenSense Incentive Program

(Medium and Large Commercial)

Standard Offer Incentive	50 kW – 100 kW Peak Reduction	\$100 per kW saved
Standard Offer Incentive	101 kW + Peak Reduction	\$125 per kW saved
4CP Incentive	Combined participation of 2 MW	Based on ERCOT Postage Stamp Rate
Spot Price Load Reduction Incentive	Combined participation of 2 MW	Based on ERCOT Real Time Load Zone Price
ERCOT Emergency Response Service	Min. participation of 150 kW	Based on ERCOT Clearing Price

Audit Program

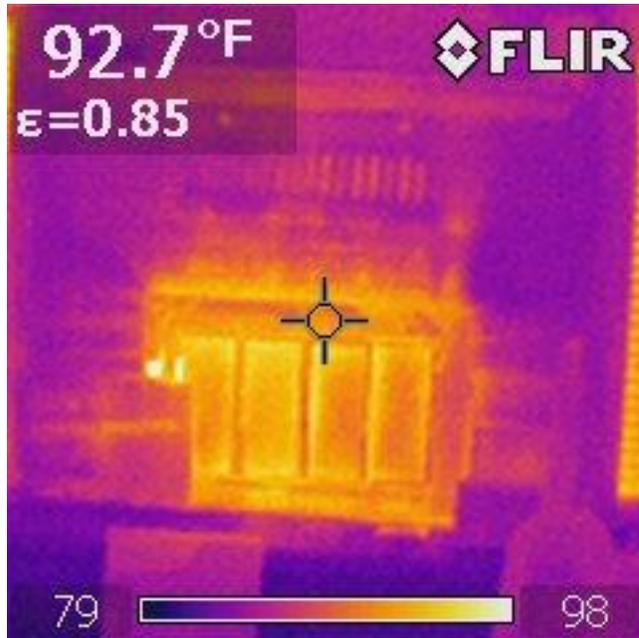
Industrial Engineering Audit

Incentive for qualifying audits: 50% of the total cost, not to exceed \$5,000

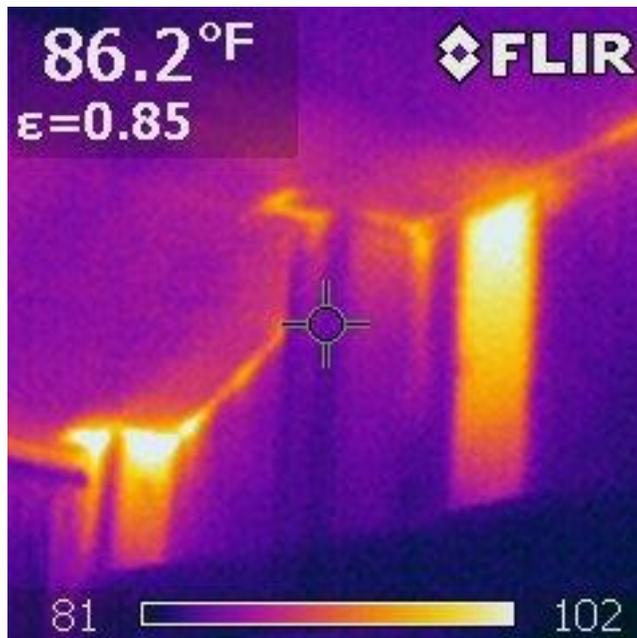
Residential, Multi-Family and Small Commercial Audit

Free Audits include thermal imaging, blower door test and duct testing.

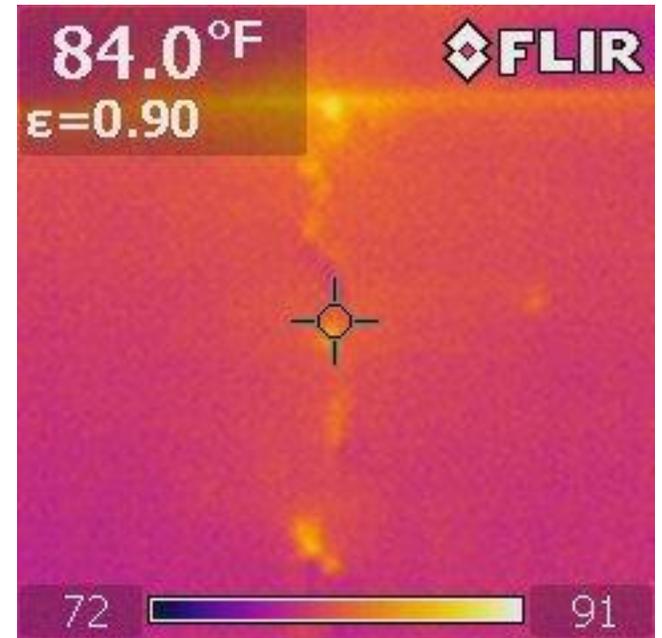
Findings during Summer



Heat Gain from an unclosed fireplace flue.

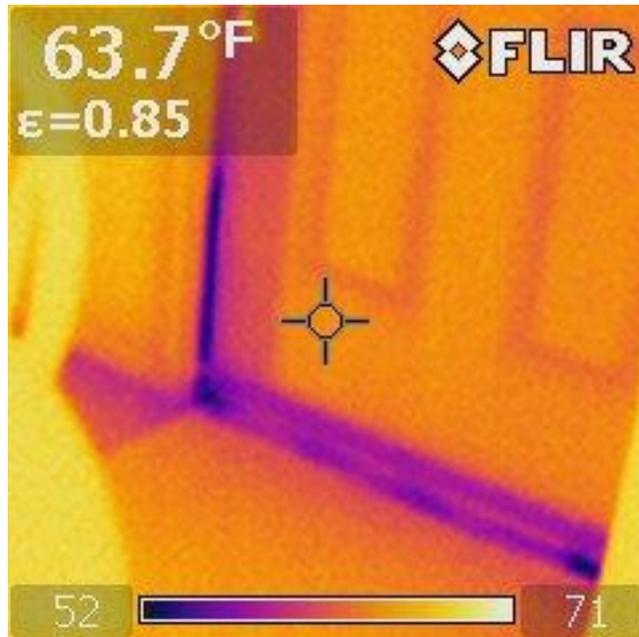


Heat Gain fallen attic wall insulation.

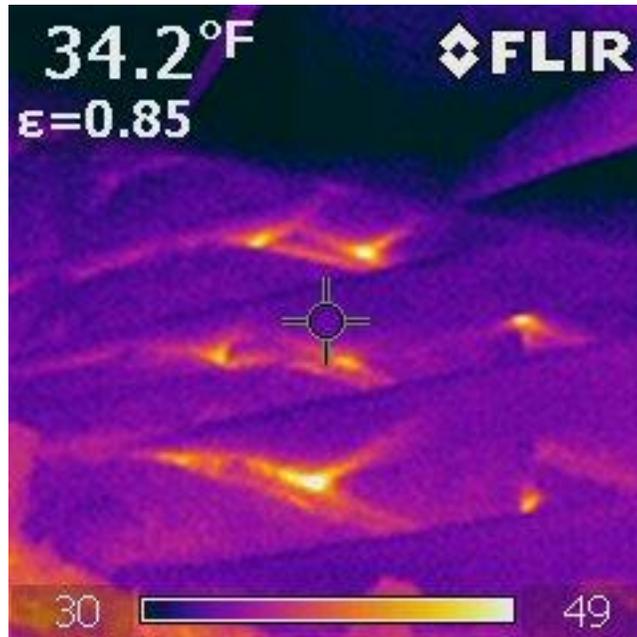


Heat Gain from an unsealed crack in the wall.
(Foundation issues)

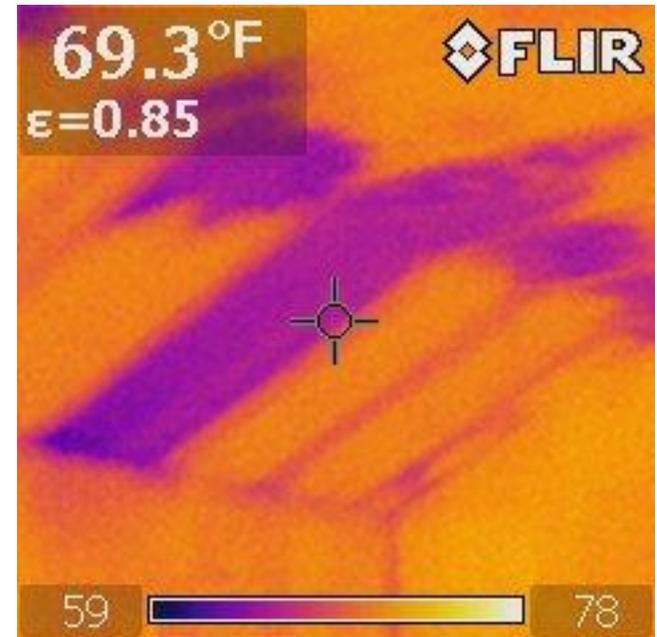
Findings during Winter



Heat Loss from an unweatherized door.



Heat Loss from batt insulation in attic.



Heat Loss from compressed / missing insulation in drop ceiling.

Consumption VS Production for One Day

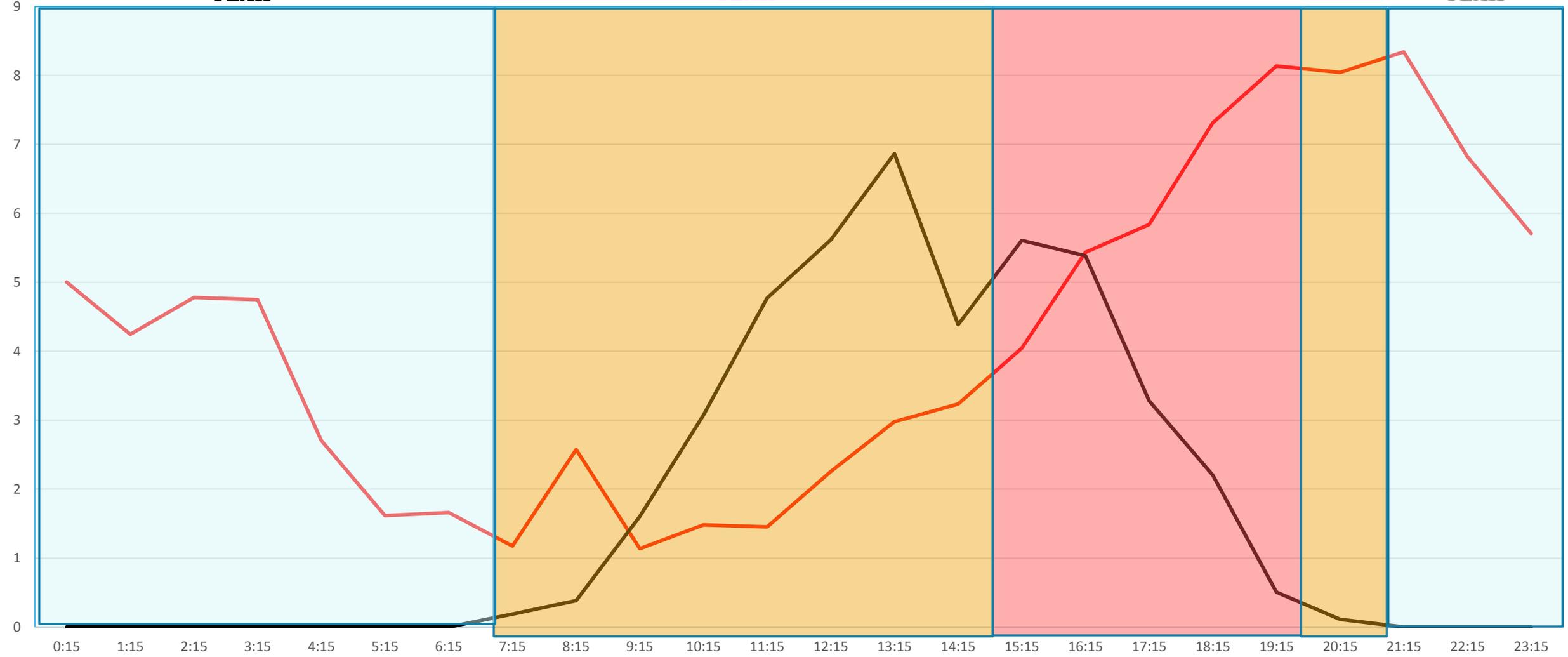
**OFF
PEAK**

**ON
PEAK**

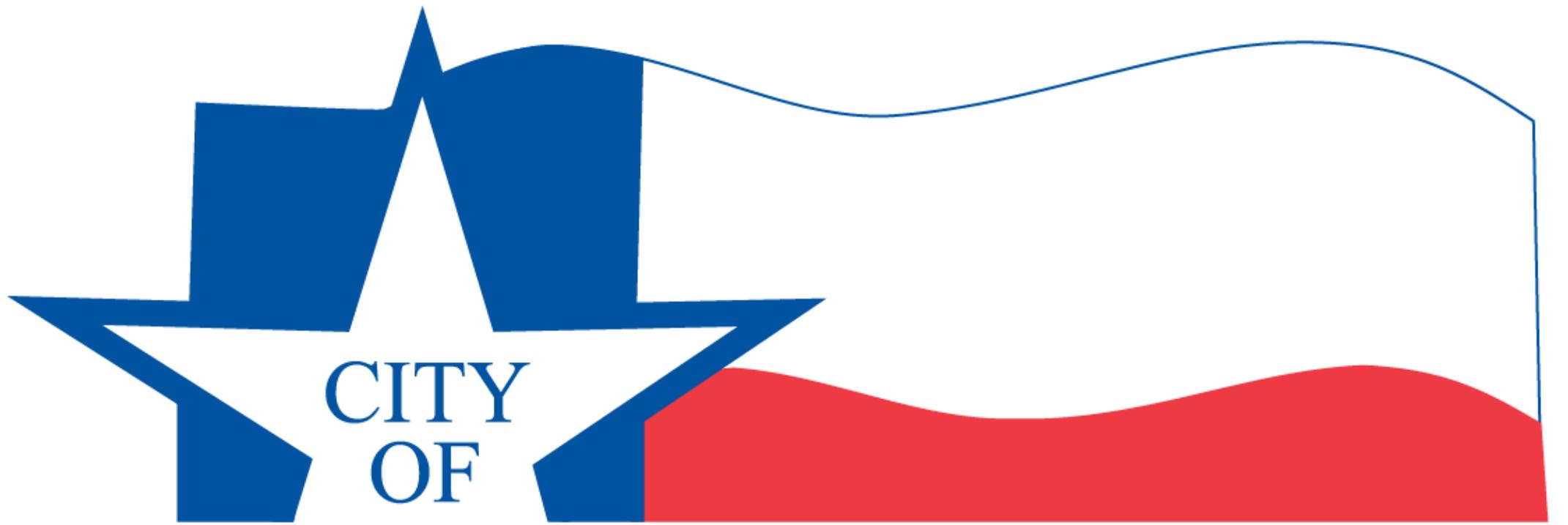
**SUPER
PEAK**

**ON
PEAK**

**OFF
PEAK**



— Consumption — Production



CITY
OF

DENTON