

# EDC/SaveGas Property Commissioning Report

Report Creation: 7/12/2011 11:58:14 AM



Client: BlackRock

Property: Clinton

PropID: 1140

Initial State: Installed EDC Control in Monitor Mode, and identified that the temperatures going out to the Apartment units was excessive, so the temperatures were reduced slightly to provide a safer delivery (although EDC is not controlling)

Steps Taken: System has good flow so after measuring temperatures and demand curve, a common Apartment usage profile was deployed. Relay run times were reduced significantly.

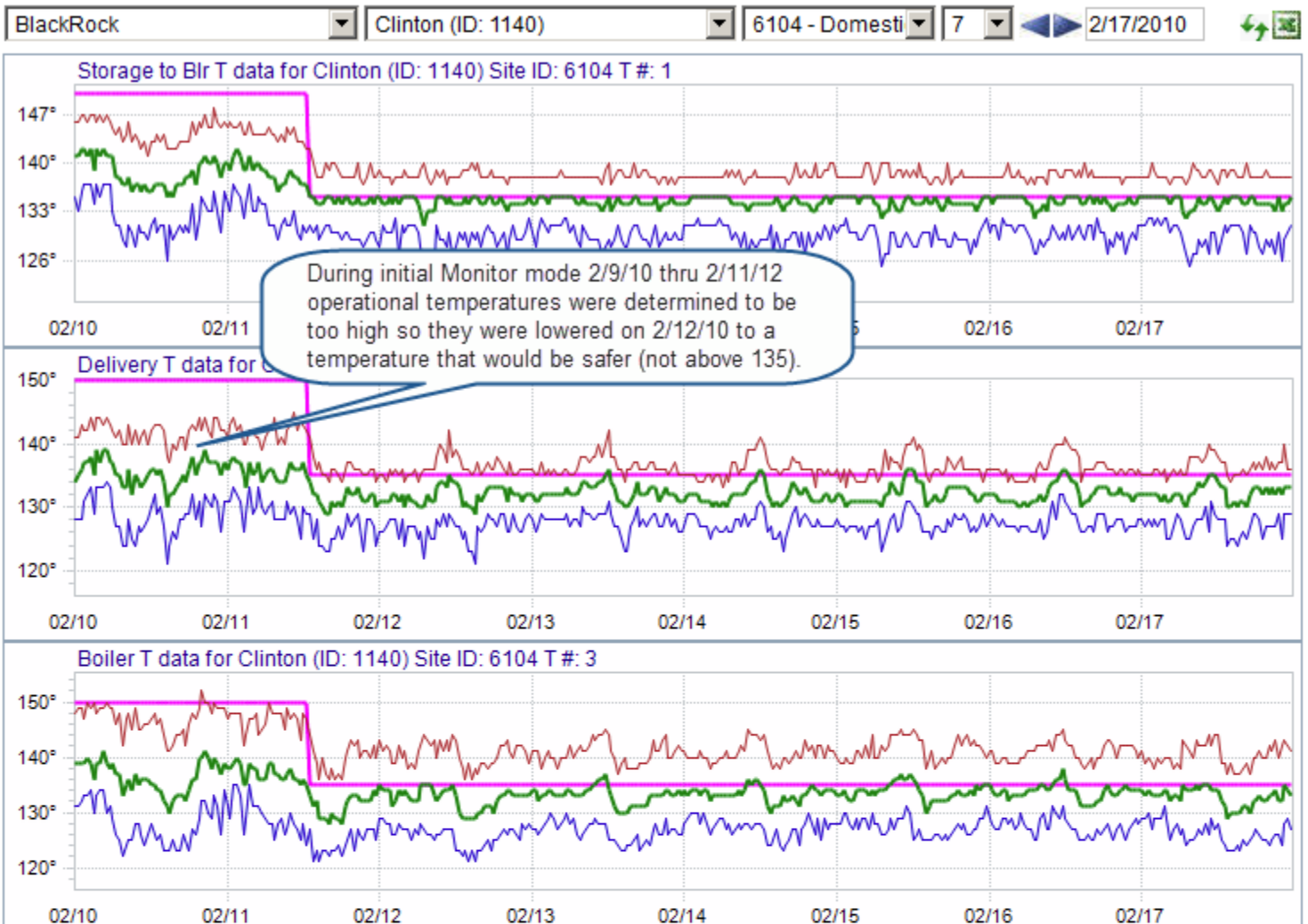
End Result: The overall operational changes are significant. Because we are measuring this site by the Boiler Relays vs Gas Valves, our savings numbers are estimated.

Summary: Runtime savings is greater than 50%, so to be conservative we can assume that we are at least getting 25% gas savings. A huge improvement

% Saved: 25.00 %

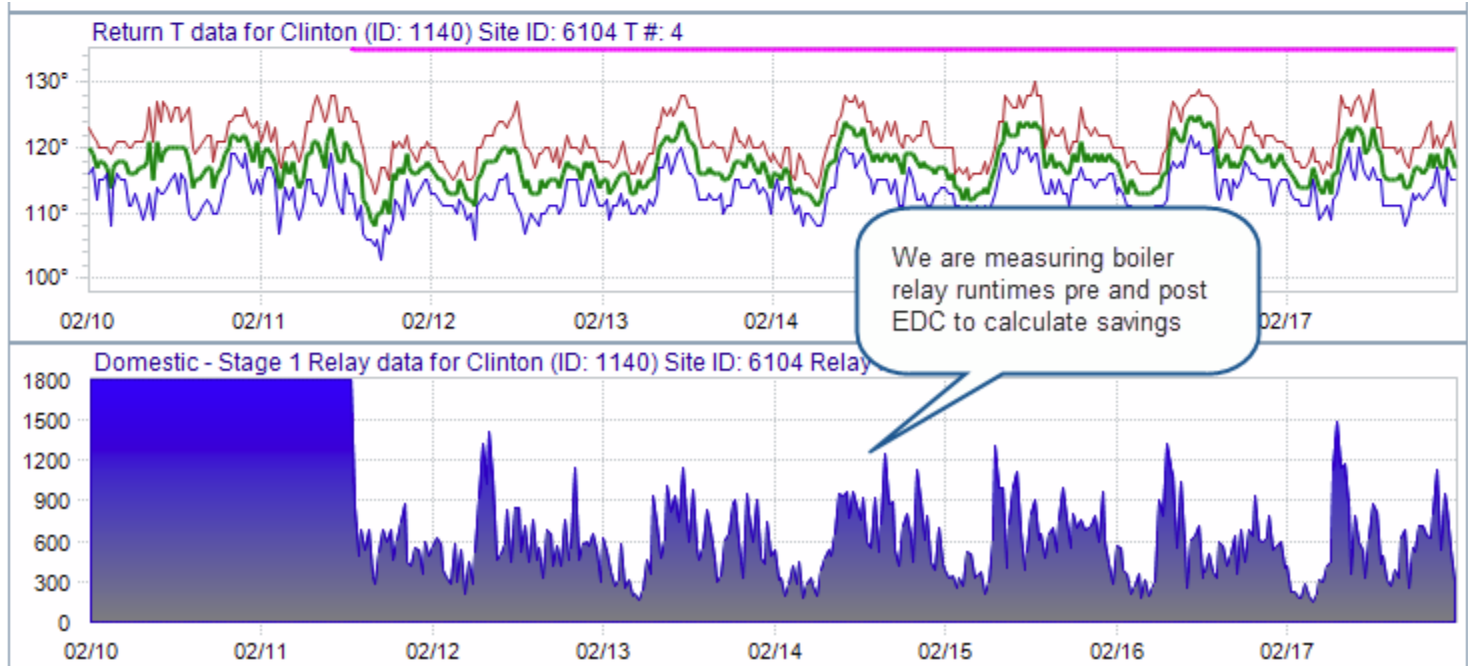
Illustrations of Process:

## EDC in Monitor Mode



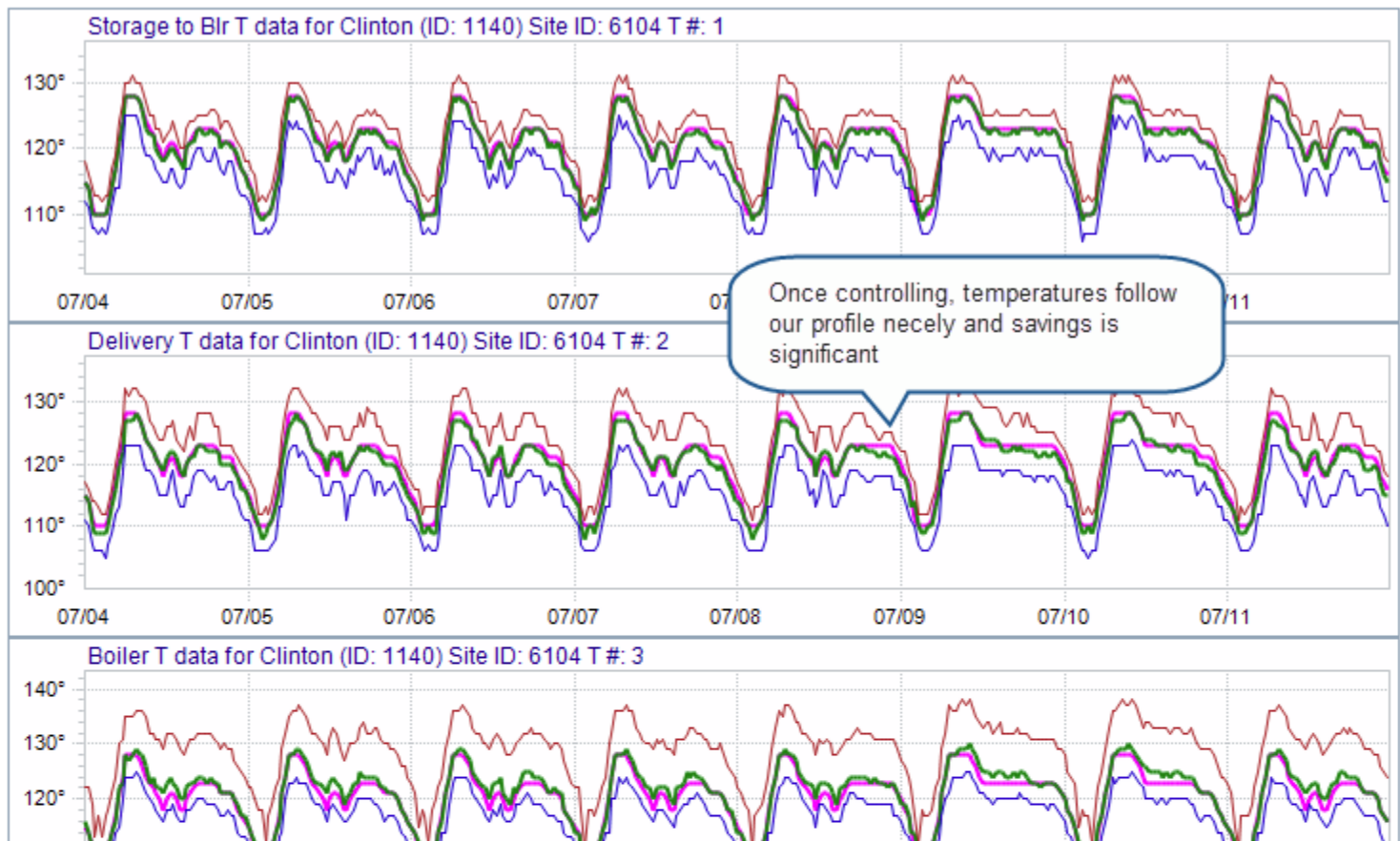
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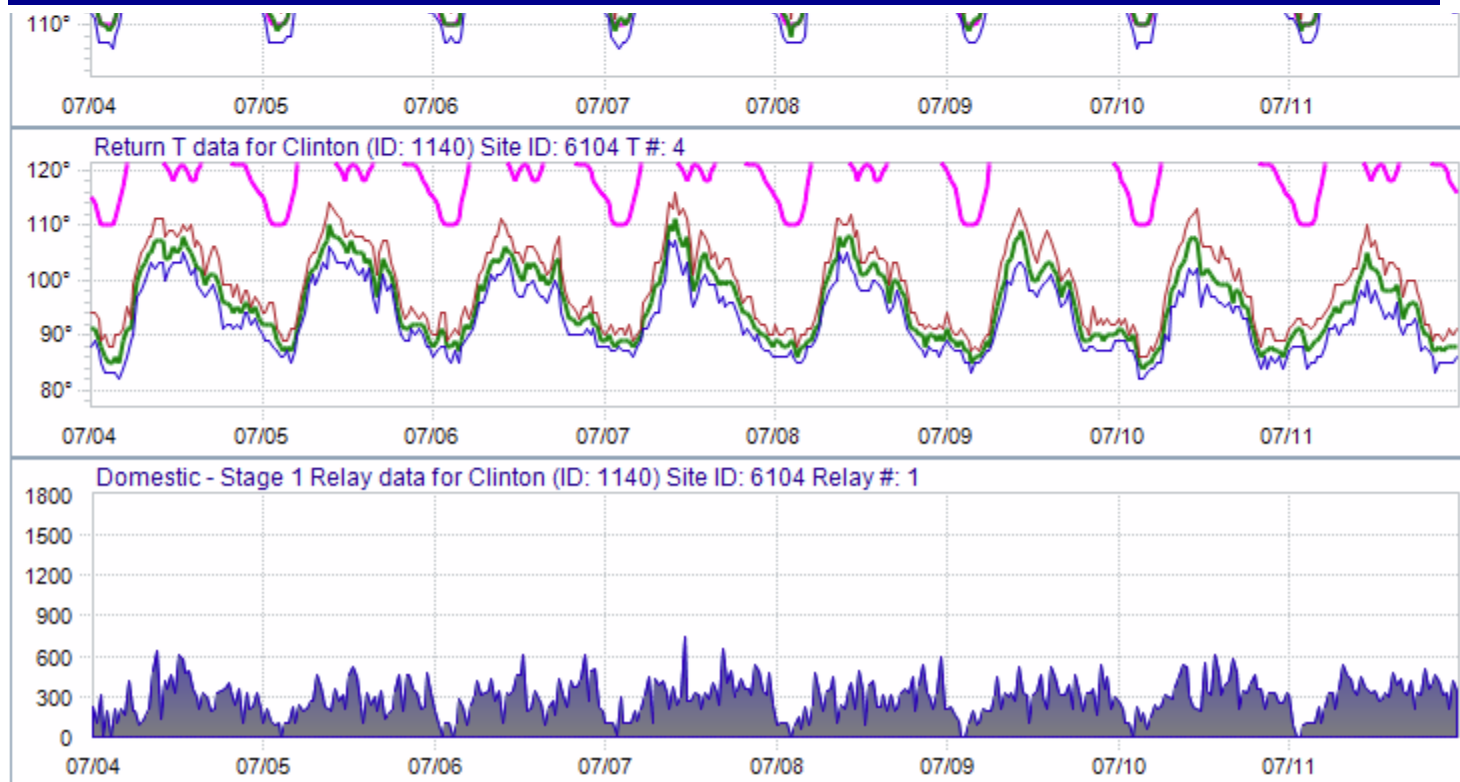
## EDC In Control Mode

BlackRock | Clinton (ID: 1140) | 6104 - Domesti | 7 | 7/11/2011



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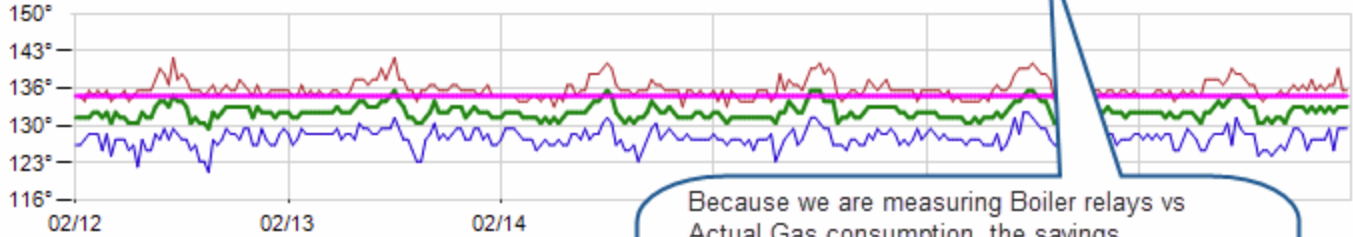
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## Economics Before / After

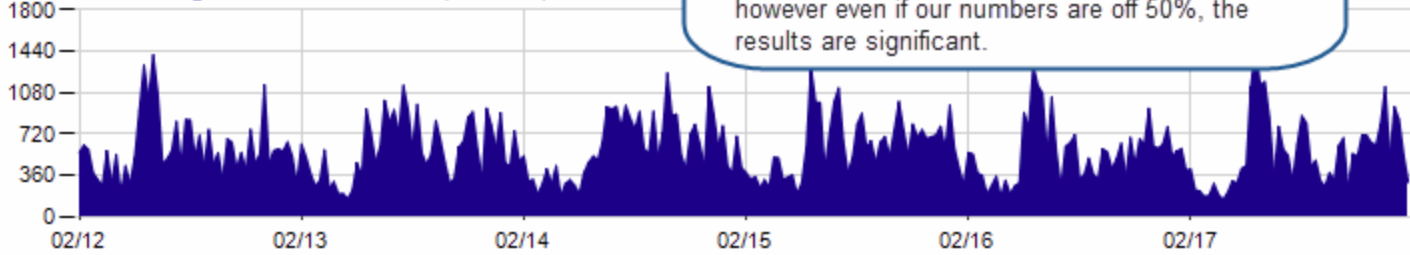
Manuf	Device Name	Name Plate BTUs	Adj Therms Per Hr	Hrs Day DS1	Hrs Day DS2	Therms Day DS1	Therms Day DS2	Therms Saved Mth	% Saved	Therms Saved Yr	Dollars Saved Mth	Dollars Saved Yr
Laars Mighty Therm	Domestic - Stage 1	750000	7.50	7.84	3.81	58.77	28.60	905	51.3 %	11,010	\$721.05	\$8,772.83
					<b>Total</b>	<b>58.77</b>	<b>28.60</b>	<b>905</b>	<b>51.3 %</b>	<b>11,010</b>	<b>721.05</b>	<b>8,772.83</b>

Delivery T data for Clinton (ID: 1140) Site ID: 6104 T #: 2

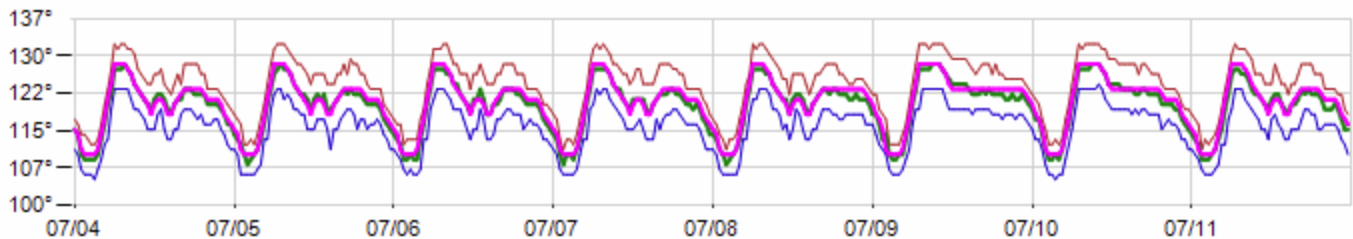


Because we are measuring Boiler relays vs Actual Gas consumption, the savings economics are possibly over-estimated, however even if our numbers are off 50%, the results are significant.

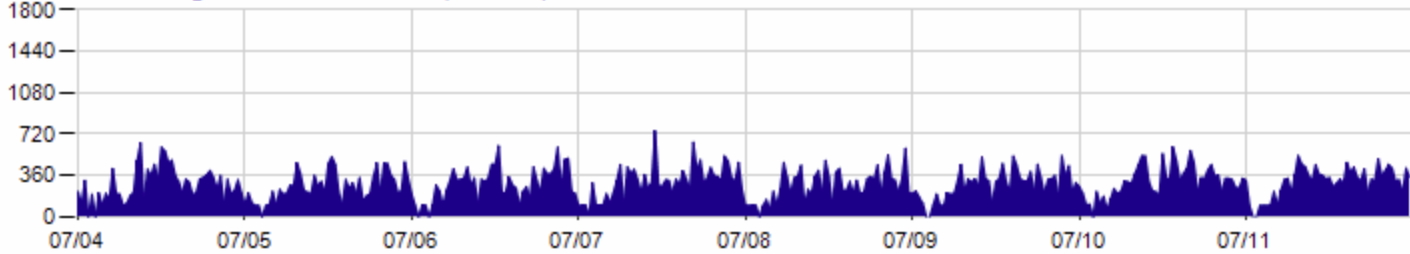
Domestic - Stage 1 R data for Clinton (ID: 1140) Site ID: 6104 R #: 1



Delivery T data for Clinton (ID: 1140) Site ID: 6104 T #: 2



Domestic - Stage 1 R data for Clinton (ID: 1140) Site ID: 6104 R #: 1



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