Recommendation

Target Energy Game Plan

1 Schedule Optimization

Coaching Points:

- Turn off ventilation when unoccupied
- Implement Optimal Start scheduling
- Schedule HVAC off for holidays

2 Demand Management

Coaching Points:

- Reduce Outside Air Unit supply temperature high limit
- Limit space temperature setpoints
- Enroll in CPS Demand Response

3 Electric Rate Change

Coaching Points:

- $2,455.60 in estimated annual savings based on historical usage
- Greater savings available with demand management strategy

Performance Analyzed

- ✓ 4CP Performance
- ✓ Billing Errors / Late Fees
- ◎ Demand Response
- ✓ Economizer Operation Deficiency Detection; Preliminary
- ✓ Energy Star Certification Potential
- ✓ Erroneous Reheat Detection; Preliminary
- ◎ HVAC System Start / Stop Optimization Verification
- ✓ Negotiated Electricity Pricing
- ✓ Negotiated Natural Gas Pricing
- ◎ Over-Ventilation Detection; Preliminary
- ✓ Power Factor

Ongoing Data Analysis

Each month, Trane Experts will gather duplicate copies of your utility invoice and upload to dataPoint®. On an ongoing and real time basis, the software allows for automation of ENERGY STAR®, Energy Use Intensity (EUI), budgets and other meaningful reports similar to the ones contained herein. Your Account Manager can assist you to automate the reports that mean the most for your business. A link to access your dashboard will be emailed to you.

Your username and password are:_____

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Bank of San Antonio Energy Coaching

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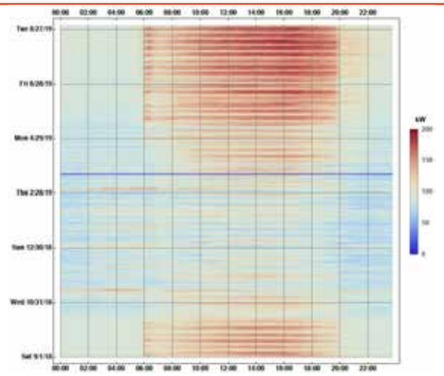
Austin Short P.E., Intelligent Services Energy Engineer
Daniel Dornier, Account Manager

9535 Ball Street, San Antonio, TX 78217
Tel: 469.346.1931
Email: austin.short@trane.com

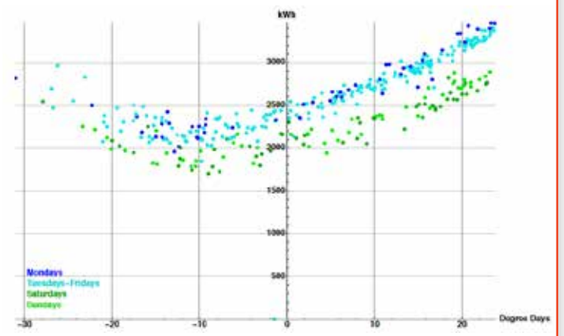
Acquire · Analyze · Recommend · Monitor

Acquisition & Analysis

Consumption

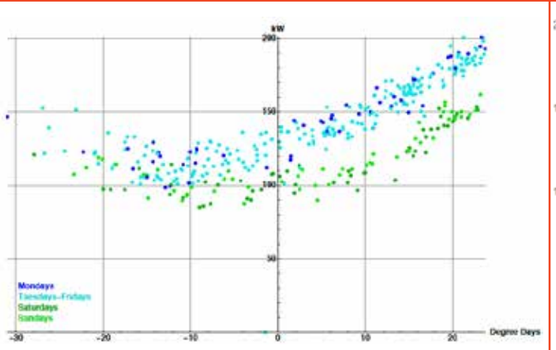


Coaching Points:
- Increased consumption after hours during cold weather
- No variance in start times in mild weather
- Off hour usage higher than expected

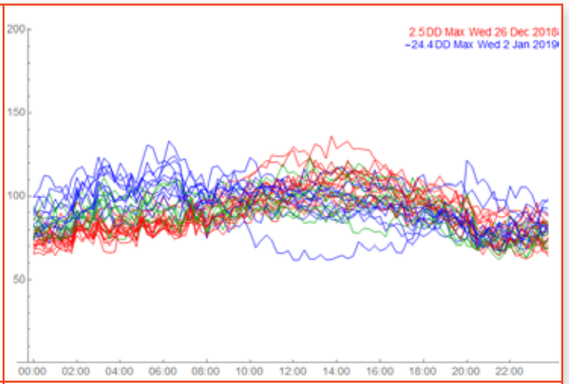


Coaching Points:
- Distinct difference in consumption on weekends
- Consumption does not significantly decrease on holidays

Demand



Coaching Points:
- Larger variance in peak during cold weather, likely due to electric heat



Coaching Points:
- Peak demand frequently set when the building is unoccupied in Winter months

Price

	GS	LLP	Cost Differential
Jan-18	$6,170.29	$6,108.52	($61.77)
Feb-18	$5,531.91	$5,518.44	($13.47)
Mar-18	$5,963.55	$5,919.10	($44.44)
Apr-18	$6,116.41	$6,070.74	($45.68)
May-18	$6,676.76	$6,612.56	($64.20)
Jun-18	$8,762.47	$8,250.33	($512.14)
Jul-18	$8,507.70	$8,009.39	($498.31)
Aug-18	$8,706.60	$8,179.46	($527.14)
Sep-18	$8,240.87	$7,682.65	($558.22)
Oct-18	$6,614.12	$6,555.99	($58.14)
Nov-18	$6,715.53	$6,638.01	($77.52)
Dec-18	$4,871.63	$4,877.06	$5.43

Coaching Points:
- Bank of San Antonio can save an estimated $2455.60 by switching from General Service PL to Large Lighting & Power LLP electric rate with CPS Energy

MONTHLY BILL

Rate

$175.00 Service Availability Charge

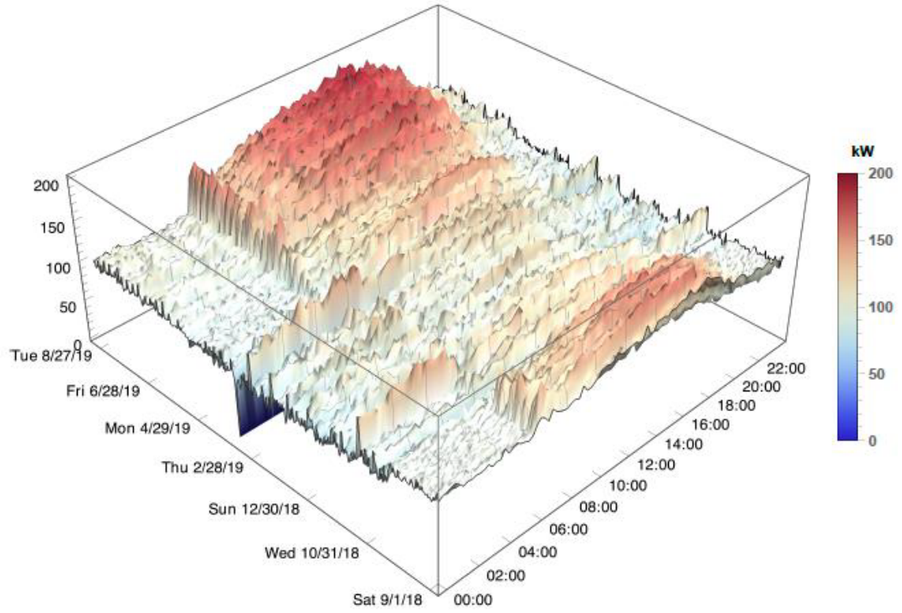
Demand Charge
Summer Billing (June - September)
$ 10.00 Per KW for all KW of Billing Demand

Non-Summer Billing (October - May)
$ 7.50 Per KW for all KW of Billing Demand

Energy Charge
$ 0.0425 Per KWH for the first 200 KWH per KW of Billing Demand
$ 0.0397 Per KWH for all additional KWH

Coaching Points:
- New rate puts a premium on summer demand.
- Focus on monthly demand limiting to maximize rate savings

Energy Profile



Summary Observations

- Electricity demand (kW) is shown for each 24 hour period from 1 Sep 2018 through 1 Sep 2019. The greatest demand is shown in red and the lowest is in blue. For the most recent year, the building peaked at 201. kW on Mon 26 Aug 2019 16:00. For the same period, the building consumed 922,598 kWh.
- Throughout the year, facility equipment begins turning on at 06:00, and off at 20:00. There is a “peak and valley” effect at start up with as much as 150kW coming on and then dropping off by 30kW in a 40 minute period. Saturdays and Sundays show flat base load conditions, with increase in energy usage in warm weather. Depending on time of year, base loads can vary between 70 kW and 100 kW.
- Throughout the spectrum, similar day-types will see daily peak demand swings of 20 kW or more. Daily energy consumption on these same days will differ by 135kWh or more. The largest spreads in demand and consumption for similar day-types occur during the cooler months of the year, this is indicative of electric heat.
- Occasional days in the coldest weather building shows 24/7 operation. There is reduced energy usage on holidays.
- In-depth analysis shows the potential for annual savings of $5,375 through optimization of existing systems. Up to $9,125 could be gained through additional high efficiency and high performance adjustments and modifications. (Assumed cost of power is 9.841 cents/kWh.)