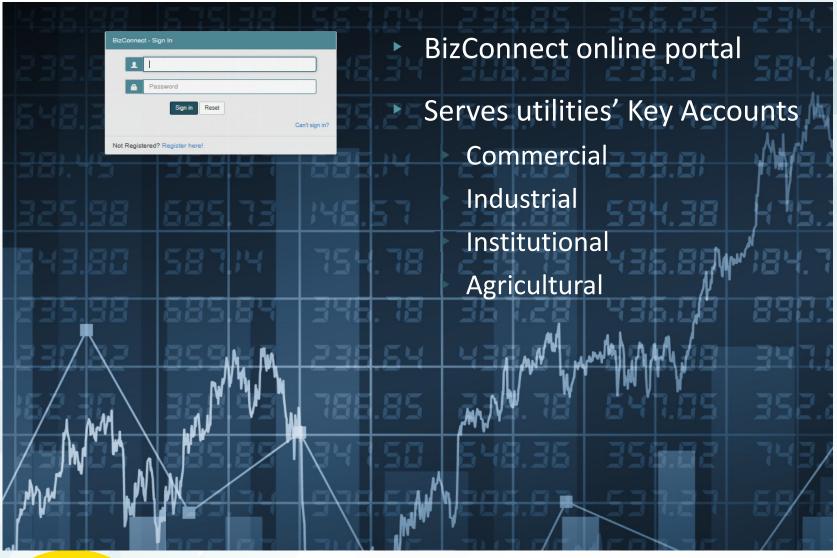


BizConnect

The BizConnect online portal for Commercial & Industrial Energy & Water customers

Introduction







Agenda

Introduction

- Why BizConnect?
- Commonly Used Functions
- Frequently Asked Questions
- Q&A





BizConnect Introduction

- Enables deeper analysis
 - For more complex customers with more extensive data needs
- Inherent design for organizations with
 - Multiple locations with multiple personnel managing consumption
- User- Enhanced Content
 - Naming meters, Grouping meters, Virtual meters
 - User markers with notes, user-configured KPIs
- Mobile Ready





SmartWorks Introduction

- Tim Berson
 - Director of Products & Research
- Terence Newcombe
 - Sales Account Manager





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Why BizConnect?

Make life easier for Key Accounts with various tools

- Understand their usage patterns
- Manage their costs
- Benchmark their operations
- Access up-to-date data, on demand

Make life easier for Key Account Managers

- Seamless online experience with single sign-on and utility defined branding.
- Reduce the burden on your Key Account Managers
- Eliminate the need to create and distribute manual spreadsheets to end customers

Improve collaboration between the Utility and it's Key Accounts

- Increase customer satisfaction
- Improve demand management
- Facilitate and evaluate effectiveness of conservation initiatives





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Intuitive and configurable

Meters can be named to make them easily recognizable to users of the solution

Reports can be fully customized, saved, added to their dashboard.

End users can configure their dashboards to meet their specific requirements.

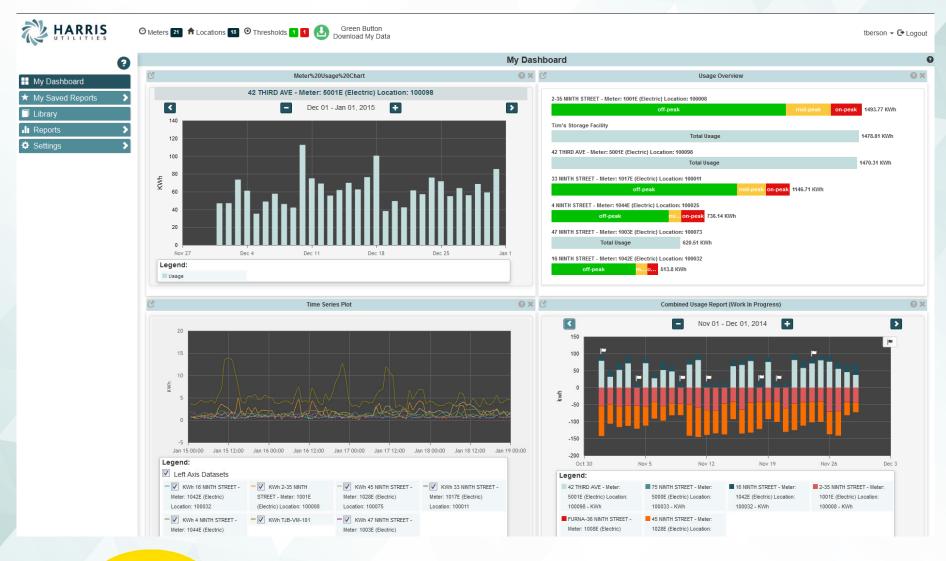
Drill-downs available from Dashboard to detail level reports

Configurable KPIs to quickly view relevant information





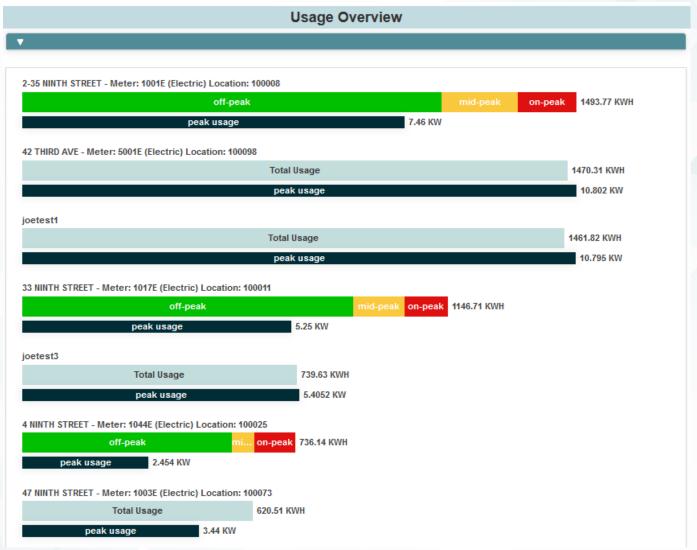
Home Page / Dashboard







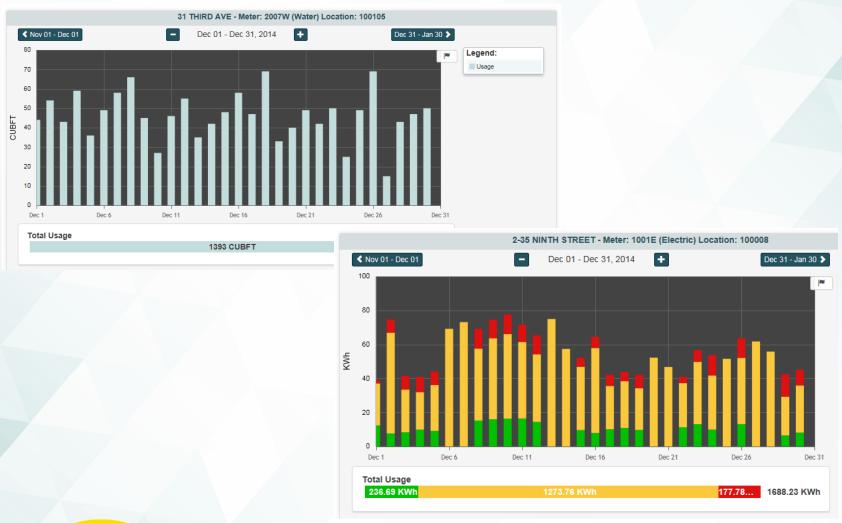
Usage Overview – compare multiple meters







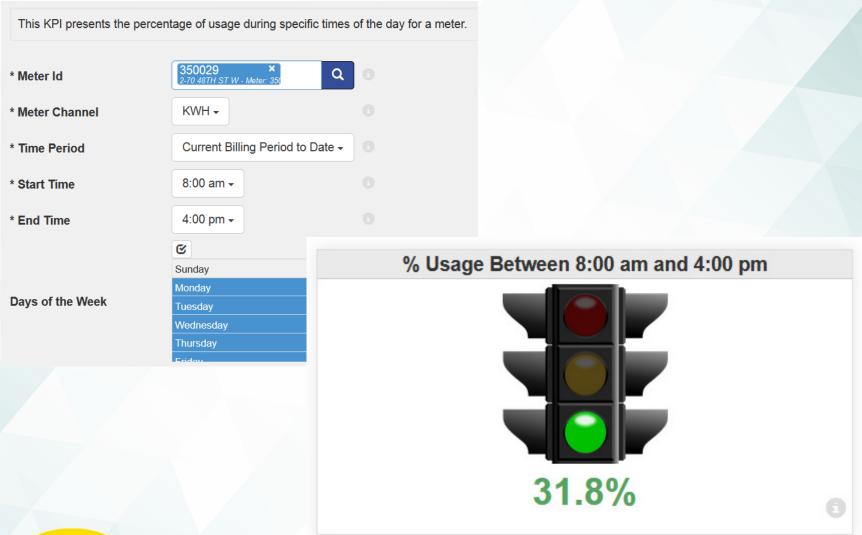
Meter Usage – single meter over a date range







Useful and Configurable KPIs







Demand / Coincident Demand Management

Understand demand and identify opportunities to shift / reduce overall demand

For coincident demand customers, understand the contributors to peak demand





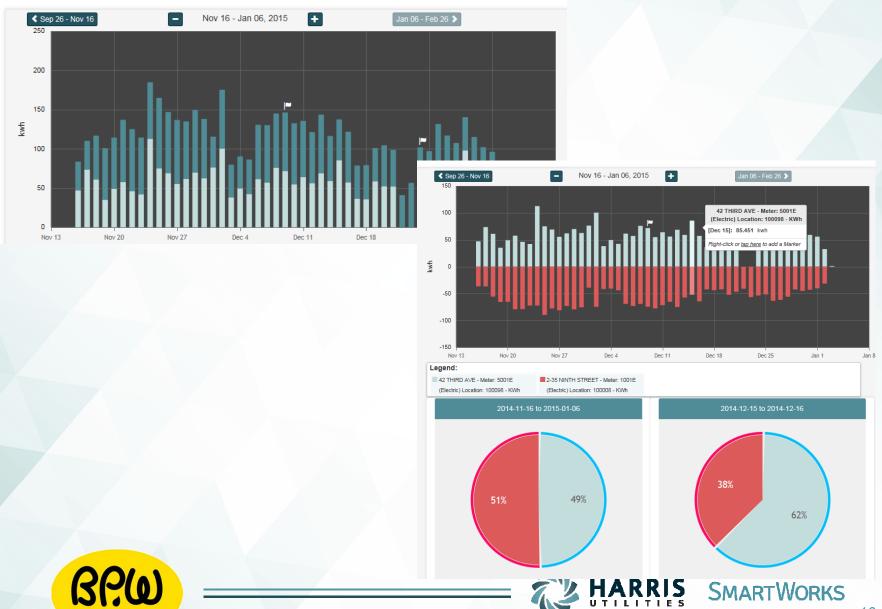
Consumption View – multiple meters over a date range







Consumption View – Net and Deduct Meters



Plot Load Profile and other data for Multiple Premises

- Overlay multiple data series
- Identify instances where there are highly correlated load profiles
- Are any of these loads shiftable? E.g. night shift, staged equipment commissioning, etc.
- Have total flexibility in terms of data that can be overlaid, correlated, and exported





Profile View – Compare Meters

Overlay the profiles for multiple meters







Facilities Management

Perform Comparisons of usage on like days to identify anomalies or inconsistencies

Evaluate consumption for time periods month of month or year over year (provided data is available)

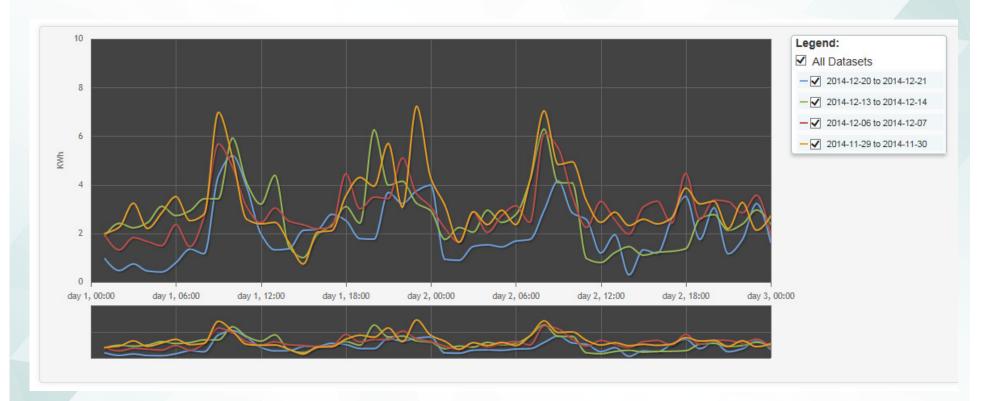
Export this data as CSV or PDF





Profile View – Compare Dates

Overlay multiple times for a single meter







Threshold Notifications

Fully configurable usage thresholds to manage energy or water budgets

Manage thresholds for various time periods and criteria

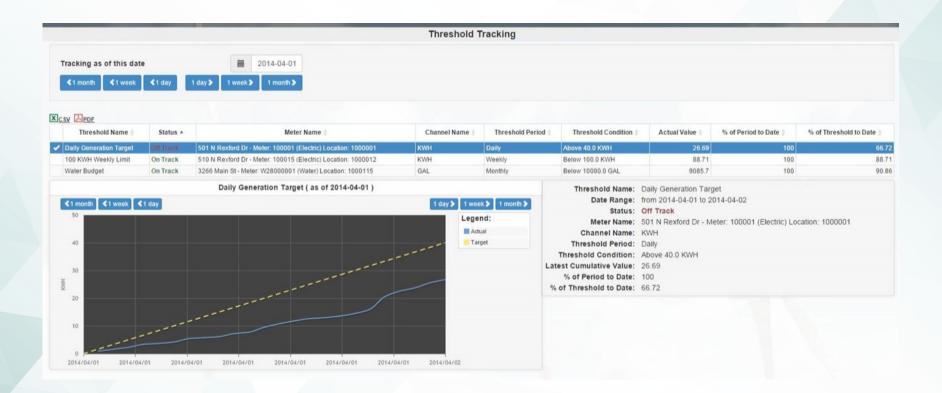
Flexible notification options, including blackout periods and multiple recipients





Threshold Monitoring

- Continually track progress above or below defined thresholds
- Check graph of progress for any given threshold

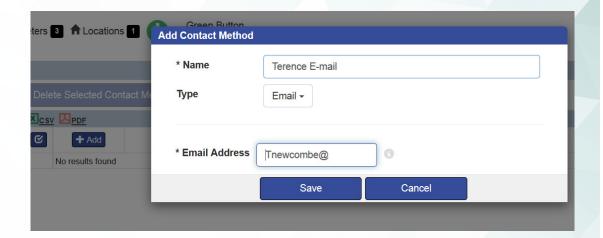






Notification Setup - Email

- Configure email
- Add notification(s)



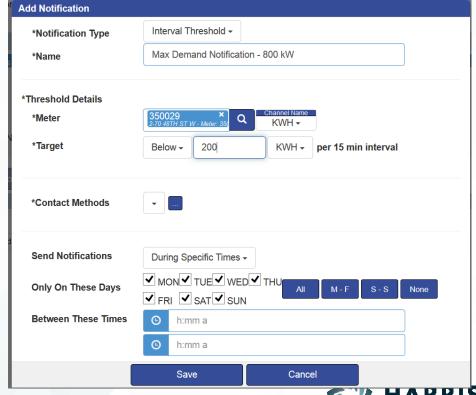
Add Notification				
*Notification Type	Usage Threshold Summary ▼			
*Name				
*Threshold Tracking	Send Only When Off Track ▼			
No Usage Thresholds have been configured. Add Threshold				
Send Notifications	Anytime -			
	Save Cancel			





Demand Notifications

- Set up through notification menu
- Need to consider interval length (15 minutes)
- Decide what the maximum (or minimum) value is







Cost Management

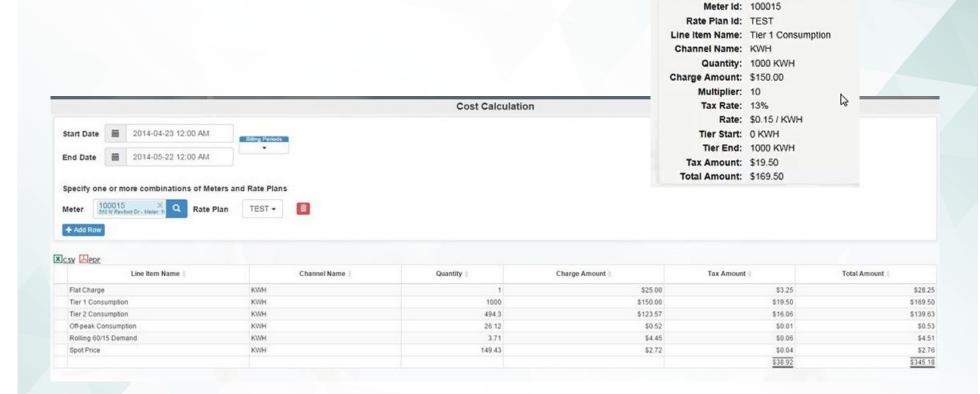
Cost Calculations

- Calculate estimated bill
- Examine and evaluate alternative rate structures
- Aggregate bills from multiple meters / locations / services
- Calculate prorated costs for partial billing periods





Cost Reporting

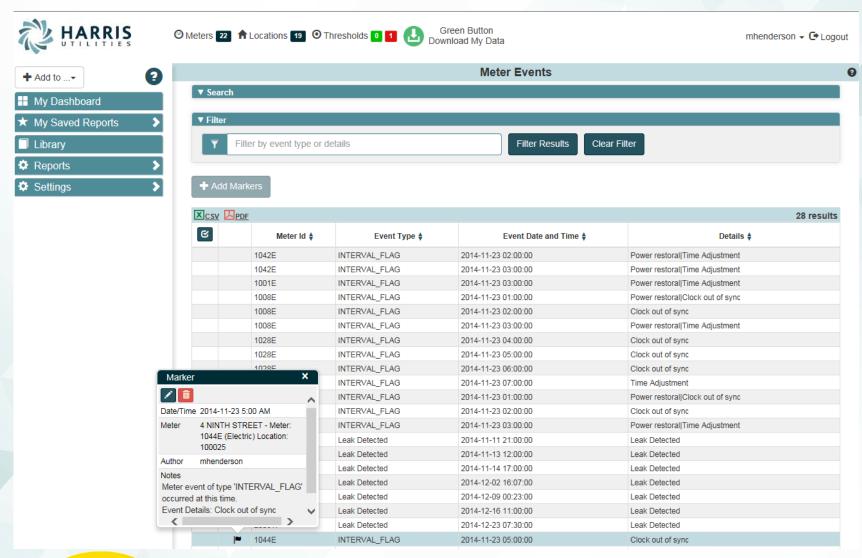






Line Item Details

Event Reporting







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Frequently Asked Questions

- Notifications
 - How can I set up notifications for consumption?
 - What about demand?
 - What notification methods are available?
- Consumption and Demand over a specific time range
 - What report should I use?
 - How can I frame the usage?
 - What if I want cost estimation?
- Meter Indexes
 - How do I configure them?
 - Where within the solution are they available?





Frequently Asked Questions (continued)

- What kind of data is available in the solution?
 - Why do I sometimes see 15 minute, hourly, or daily data?
 - How can I export the detailed 15 minute data over a large date range?
 - Why is there a difference between demand as reported by BizConnect, and the demand charge on my bill?
 - ► Billing read is calculated as a demand register at the meter on a rolling 5/15 basis (and multiplied by CT/PT)
 - ► BizConnect Max Demand is inferred from 15 minute interval data (and multiplier by CT/PT)





Frequently Asked Questions (continued)

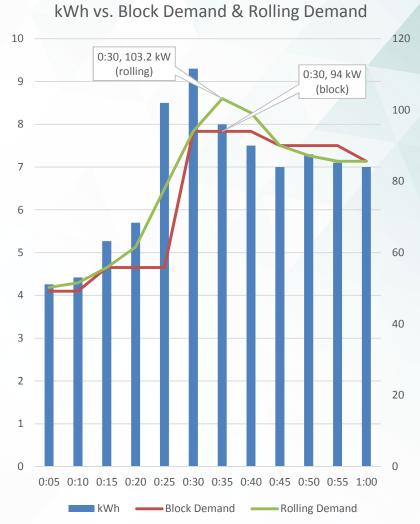
- The two factors / considerations when considering difference between the two values:
 - data precision on the interval data (4 digits after the decimal)
 - Meter demand register can capture max demand when it is split across an interval boundary
 - ► Lets look at an example of the difference between rolling 5/15 and block 15





Comparing 15 minute block demand vs. rolling 5/15

interval ending	kWh	15 min block	rolling 5/15
23:50) 4		0.
23:55	4.1		
0:00	4.2	49.2	49.2
0:05	4.26	49.2	50.24
0:10	4.42	49.2	51.52
0:15	5.27	55.8	55.8
0:20	5.7	55.8	61.56
0:25	8.5	55.8	77.88
0:30	9.3	94	94
0:35	5 8	94	103.2
0:40	7.5	94	99.2
0:45	5 7	90	90
0:50	7.3	90	87.2
0:55	7.1	90	85.6
1:00) 7	85.6	85.6
total kwh consumed over the hour:	81.35	kWh	
average demand over the hour:	81.35	kW	
Maximum 15 minute block demand:	94	kW	
Maximum rolling 5/15 demand:	103.2	kW	







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Audience Questions and Answers





