

The background of the slide features a collage of energy-related data visualizations. At the top, there are line charts with multiple colored lines (green, blue, black, purple) plotted against a grid. Below these, there are data tables with columns containing values like 'MMBTU', percentages, and arrows indicating trends. At the bottom, there is a heatmap with a color scale from blue to red, and a series of small blue and white circles arranged in a grid pattern.

ANALYTIKA USERS FORUM

March 2021

Utility Incentives

AGENDA

1. Introduction to Analytika Users Forum
2. Focus Topic: Utility Incentives
3. Fun With Graphs!
4. Q&A / Open Forum
5. What's Next?

What is Cimetrics Analytika?



Analytika services

- **Continuous data monitoring**
- **Ongoing commissioning** (CCx / MBCx) using **automatic fault detection & diagnostics** (AFDD)
- **Engineering consulting**
- **Analytika Portal SaaS**



Solve owner challenges

- Help building owners, managers, vendors and partners **run their facilities more efficiently and effectively**
- Targeted recommendations for **energy savings & optimization opportunities** and **insidious equipment faults**
- **Task prioritization, vendor management, & KPI tracking**
- **Regulatory & ESG compliance tracking & reporting**
- **Minimize shutdowns** through reliability improvements & early fault detection
- **M&V to insure energy efficiency investments**



Create better buildings

- **Save energy costs**
- **Reduce GHG emissions**
- Improve **comfort & safety**
- **Prioritize & streamline** maintenance tasks
- Achieve **sustainability goals**

Why an Analytika Users Forum?



Learn

Learn how to achieve your goals from Cimetrics experts and Analytika power users



See

See best practices, techniques, tips & tricks demonstrated live



Ask

Ask questions and get guidance on resolving challenges



Share

Share your unique cases and experiences to help others get the most out of Analytika

Learn how to get the most out of Cimetrics Analytika to create safe, reliable, energy-efficient buildings!

Focus Topic:

Utility Incentives

- Overview
- Cimetrics' role
- Client role
- Examples
- Getting started

MBCx Incentive Overview

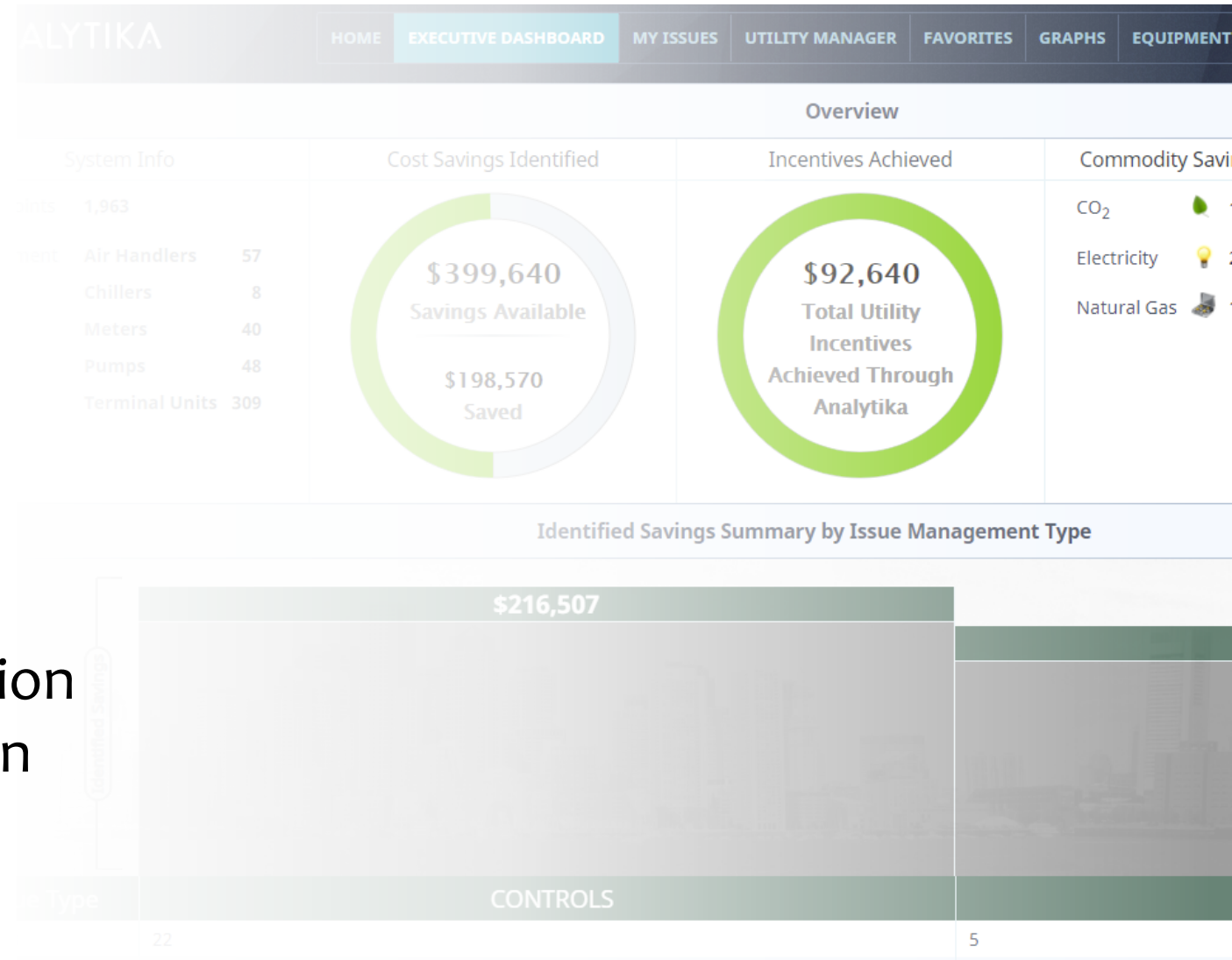
- State-mandated rate-payer funded programs require utility companies to provide incentives for energy conservation measures
- Utility incentive programs are increasingly reimbursing MBCx setup, ongoing fees, and/or implementation of identified measures
- Cimetrix works with our clients to help them achieve the maximum possible incentives

MBCx Incentive Programs by State

- Cimetrics tracks incentives programs by state that have potential for MBCx reimbursement

California: <ul style="list-style-type: none">• SDGE/Sempra in San Diego - It looks like the application is geared towards equipment, but would be worth having a conversation with them to see if our services could be included as part of the project cost for any issues we identify that have energy savings. https://www.sdge.com/businesses/savings-center/rebates-incentives• SMUD (Sacramento Municipal Utility District) – RCx falls under custom retrofits https://www.smud.org/en/Business-Solutions-and-Rebates/Business-Rebates/Custom-Incentives• Southern California Edison (SCE) – custom incentives include whole building measures https://www.sce.com/business/savings-incentives/energy-efficiency-customized-solutions• PG&E (Pacific Gas and Electric Company) – retrocommissioning program https://www.pge.com/en_US/large-business/save-energy-and-money/facility-improvement/retrocommissioning.page	Iowa: <ul style="list-style-type: none">• Alliant Energy – retrocommissioning is covered by the custom rebate program https://www.alliantenergy.com/WaysToSave/EnergyUseAssessments/FindAndFix	Missouri: <ul style="list-style-type: none">• Most incentives are equipment-based, but Evergy might have a custom incentive that fits. https://www.evergy.com/ways-to-save/incentives/custom-and-standard
Connecticut: <ul style="list-style-type: none">• UI (United Illuminating Co) handles MBCx measures through the Retro Commissioning program https://www.uinet.com/wps/portal/uinet/smartenergy/business_solutions/commercial_industrial_solutions/retro_commissioning/	Kansas: <ul style="list-style-type: none">• Most incentives are equipment-based, but Evergy might have a custom incentive that fits. https://www.evergy.com/ways-to-save/incentives/custom-and-standard	New Jersey: <ul style="list-style-type: none">• SmartStart Buildings https://njcleanenergy.com/commercial-industrial/programs/programs https://www.state.nj.us/state/ba-ip-guide/sect-11-00.shtml
Illinois: <ul style="list-style-type: none">• ComEd (service territory covers 11,411 square miles in Northern Illinois, stretching from the Wisconsin border to as far south as Pontiac, Ill., and from the Indiana border to the Mississippi River) https://www.comed.com/WaysToSave/ForYourBusiness/Pages/FactSheets/RCxOptions.aspx<ul style="list-style-type: none">○ Need to be an approved Energy Efficiency Service Provider, which requires at least application over two years.○ MBCx program: Participants receive a fully funded MBCx study performed by a Certified Energy Efficiency Service Provider that uses monitoring software to identify energy conservation measures during a 12-month monitoring period.○ VCx (virtual commissioning): Fully funded remote analysis of energy usage and technical assistance in making energy-saving operational improvements.○ Also has building tune-up and RCx programs.• Ameren Illinois<ul style="list-style-type: none">○ Retro commissioning: https://amerenillinoisavings.com/for-my-business/explore-incentives/retro-commissioning○ Other business incentives: https://amerenillinoisavings.com/for-my-business/explore-incentives	Maine: <ul style="list-style-type: none">• Efficiency Maine – does not support MBCx/FDD https://www.efficiencymaine.com/at-work/commercial-industrial-custom-program/	New York: <ul style="list-style-type: none">• NYSEERDA – in the process of applying to be an approved vendor. https://www.nyserda.ny.gov/All-Programs/Programs/Real-Time-Energy-Management• Many others exist and should be researched as required.
	Maryland: <ul style="list-style-type: none">• PEPCO/Delmarva https://homeenergysavings.pepco.com/business/applyMLB https://homeenergysavings.delmarva.com/business/applyMLB• Baltimore Gas and Electric Company (BGE) - building tune-up program https://bgsmartenergy.com/	Ohio: <ul style="list-style-type: none">• Duke Energy has an electric rebate program. Its language indicates that it's for equipment/system installations only, but we could have a conversation with them to see if they can fit us into a custom application. However, the projects must have a payback of greater than one year, which is typically not the case for the issues we identify. These rebates are also available for Duke Energy customers in Kentucky, Indiana, NC, and SC. https://www.duke-energy.com/business/products/smartsaver/custom-incentives
	Massachusetts: <ul style="list-style-type: none">• Mass Save ESPO (Equipment & Systems Performance Optimization) for Eversource & N Grid https://www.masssave.com/en/learn/business/espo/	Pennsylvania: <ul style="list-style-type: none">• PECO (aka Exelon) has custom incentives; some Cimetrics measures fall under Retrocommissioning: https://www.peco.com/WaysToSave/ForYourBusiness/Pages/Custom.aspx• UGI – custom incentive program https://www.ugi.com/rebates-for-business/electric/custom-incentive-program/• FirstEnergy (Met-Ed, Penelec, Penn Power, West Penn Power) custom incentive: https://energysavepa-business.com/incentives/custom-buildings
	Michigan: <ul style="list-style-type: none">• Efficiency United runs the rebate program for many utilities like Sempra and Xcel and has prescriptive and custom rebates: https://efficiencyunited.com/select-utility	Washington: <ul style="list-style-type: none">• PSE (Puget Sound Energy) has a monitoring-based commissioning incentive that covers both the base fee and the ongoing performance improvements: https://www.pse.com/business-incentives/commissioning-programs/monitoring-based-commissioning• Alliant Energy – retrocommissioning is covered by the custom rebate program https://www.alliantenergy.com/WaysToSave/EnergyUseAssessments/FindAndFix
	Minnesota: <ul style="list-style-type: none">• Xcel Energy in looks promising. It has a rebate program that sounds quite similar to the Save ESPO program in Massachusetts (with which we've been successful), including a custom efficiency program: https://www.xcelenergy.com/programs_and_rebates/business_programs_and_rebate_ent_rebates/custom_efficiency (you have to select Minnesota from the top left for this to show up correctly)	

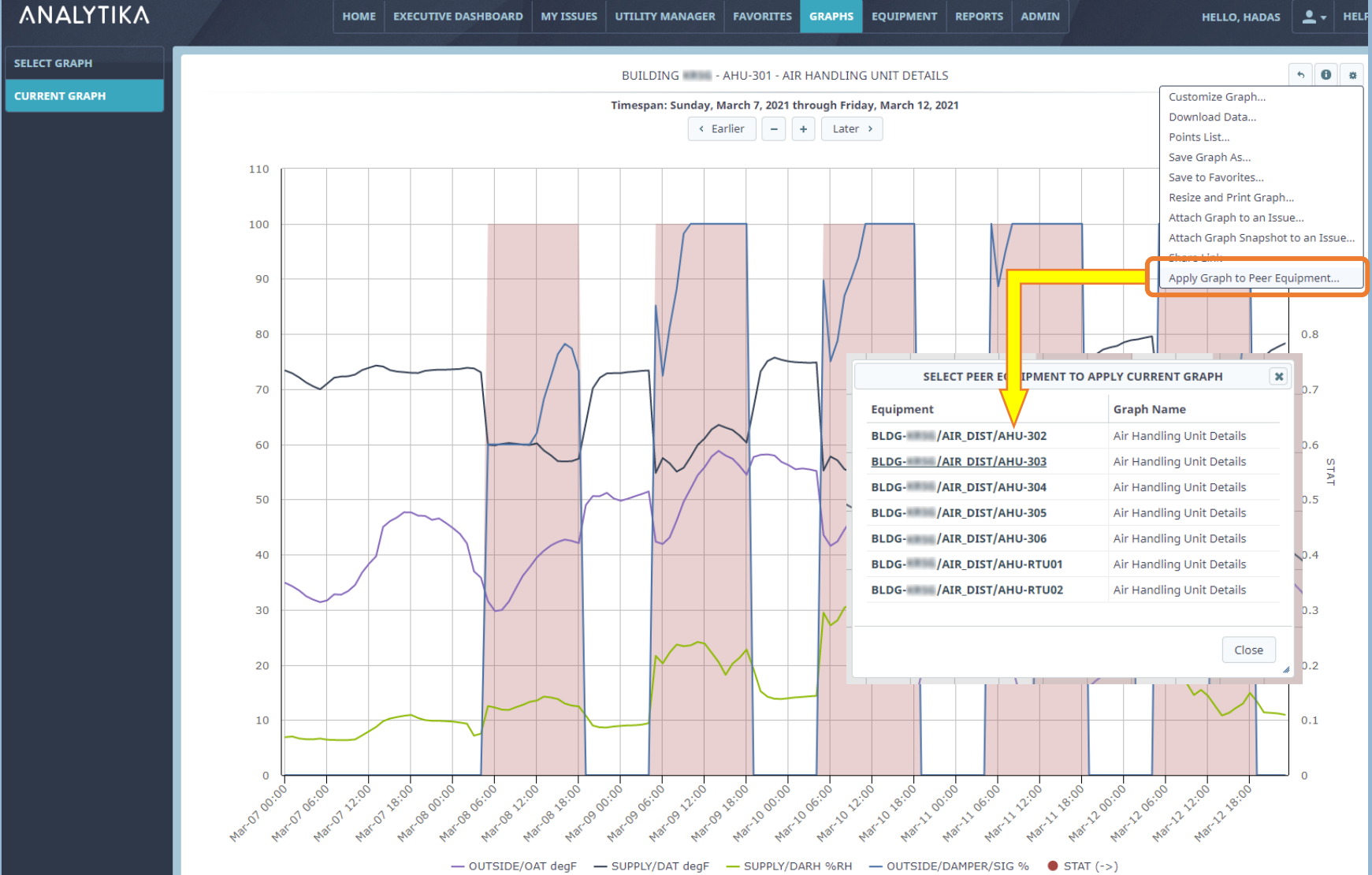
1. Identify available programs
2. Identify eligible measures
3. Submit application forms
4. Support issue correction
5. Calculate annualized avoided energy consumption
6. Submit supporting documentation (e.g., invoices, equipment design documents, M&V)



Client's Role

1. Track costs of implementation
2. Fix the problem
3. Get paid

ANALYTIKA											
EXECUTIVE DASHBOARD MY ISSUES											
View: Savings - Incentives											
Issue Creation Date : Fri, 1											
<input type="checkbox"/>	Issue Name	Issue Number	Date Opened	Status	Cost Savings	Percent	Electricity	Natural Gas	Incentive	Customer Comments	Report Comments
<input type="checkbox"/>	AHU-05_02 Reinstall Operating Schedule	-05-011	05/22/2019	Closed	\$25 K	100 %	344 MWh	398 MMBTU	\$4 K	put in a workorder to enable the schedule again. Has a bad sensor . They part was on order but they never fixed it. The maintenance mechanic put it in 24/7. (2019-08-01) WO was marked completed on 14 Oct 2019 but the unit continues to operate 24/7; to investigate. (2019-10-17) Unit serves fitness center and conference rooms, unit was left on 24/7. put in request to security to get a badge check on how many people are visiting the fitness center outside of normal occupied hours. Then we can determine if this unit should operate 24/7. (2019-11-14) Dampers, actuators replaced, but not controlling correctly. Requested a proposal from BAS contractor to commission all the controls. Proposal expected at the end of the week (2019-12-12) 29-Jan- 2020 Update - The AHU and fitness center continue to have significant control issues that prevent unit from being returned to the schedule. to schedule meeting for week of Feb 03 2020 with operations to review all know open issues and develop a plan for repair. 04-FEB-2020 - operations troubleshooting/repairs in progress. Expected complete mid Feb 2020.	The unit is now running according to the intended 4:00AM - 11:00PM Monday-Saturday operating schedule. This issue is closed.
<input type="checkbox"/>	AHU-05_01 Reinstall Operating Schedule	-05-010	05/22/2019	Closed	\$15 K	100 %	206 MWh	311 MMBTU	\$963	put in a workorder to enable the schedule again. Has a bad sensor . They part was on order but they never fixed it. The maintenance mechanic put it in 24/7. (2019-08-01) WO was marked completed on 14 Oct 2019 but the unit continues to operate 24/7; to investigate. (2019-10-17) Unit serves auditorium; unit was left on, because when it is on schedule, it does not re-start properly. This could be due to the OA dampers not operating properly. Not sure how these are related, but this is the information was given. (2019-11-14) Dampers, actuators replaced, but not controlling correctly. Requested a proposal from BAS contractor to commission all the controls. Proposal expected at the end of the week (2019-12-12). investigated on 1/29/2020 - This unit has been reported to be returned to the schedule.	The unit now operates according to the intended operating schedule of 4AM-5PM weekdays. This issue is closed.



**Fun With
Graphs!**

Apply Graph
to Peer
Equipment

QUESTIONS?

- Will a recording be available?
- What makes Cimetrics different from the competition?
- Can Cimetrics Analytika be applied to buildings during construction to monitor systems and find issues under warranty?



WHAT'S NEXT



Next Analytika Users Forum session:

- May 2021

Future topics:

- Analytika for Process
- Collaboration between multiple internal & external parties
- Cimetrics customer award ceremony

Learn more:

- Sign up to be notified about future events:
<https://www.analytika.com/analytika-users-forum/>
- Learn more about Analytika:
<https://www.analytika.com/>
- Contact me! hwebb@cimetrics.com