



BIG DATA FOR ENERGY OPTIMIZATION SUMMIT

Re-scheduled for in-person, Early FALL 2021 – dates coming soon

The Mary M Gates Learning Center, Alexandria, VA

<p>Who we are:</p>	<p>RSC is a non-partisan woman owned, minority owned, small business. Since 2011, Roosevelt Strategic Council (RSC) has convened the most senior and respected leaders in business, technology and the federal government to collaborate and examine the next generation of challenges transforming global business enterprises, and mission priorities for the federal government.</p> <p>Through our high level educational and training summits and symposiums we bring together the relevant representatives in our neutral forums in order to foster the necessary discussions and debates to help them achieve efficient and effective mission success with their partners in the public, private and academic sector. In order to maintain our neutrality, we receive no funding or investment for operating costs from any outside organization, group, or individual.</p> <p><i>Supporting our Veterans, severally injured Service men and women, and their families through our charitable donations and contributions is a core mission of Roosevelt Strategic Council. To learn more about the charities we support and how you may get involved, please visit: rscouncil.org/giving-back. (This Summit is not an official fundraising event.)</i></p>
<p>Program Design & Goal</p>	<p>A non-partisan educational and training Summit designed as a live, limited audience “Town Hall” format that encourages an interactive level of discussion and debate amongst all in attendance. The Summit consists of two days of structured plenary and panel sessions.</p> <p>Seating is limited and socially distanced: no large expo hall or tradeshow floor, and no additional social activities are tied to the Summit</p> <p>By participating in one of our meetings, you will discover an environment that strives to encourage real actionable outcomes for its participants, while fostering new and continued relationships amongst all in attendance</p>
<p>Focus Areas:</p>	<p>Utilizing Big Data for Energy Optimization in Utilities and Buildings and the Future of how Grid Interactive Efficient Buildings will operate</p> <p>Business / Leadership Focus:</p> <p>Buildings: Designing for a data optimized energy infrastructure in the built environment : from upgrading legacy systems to developing new ‘smart’, experiential driven, net-zero buildings and facilities.</p> <p>Utilities: business models for increasing digital capabilities for customers and grid operation for integrating DERs: from customer sited to grid edge</p> <p>Who owns the data and what does good data governance look like? Consideration towards cost and security with increased data generating assets</p> <p>Perspectives on operational models for developing a highly efficient GEB (grid interactive efficient building) ecosystem</p> <p>Technical & Operational Focus</p> <p>Data visualization: bringing together large, disparate data sources across assets for real time visualization / deploying digital twins</p> <p>Advanced Energy and Asset Management systems which leverage digital solutions based on common architecture</p> <p>Advanced analysis / predictive analytics for customer segmentation, load prediction, price forecasting, and DER management</p> <p>Data driven asset performance, predictive maintenance and health analytics: capabilities and techniques for real-time processing for incident detection and/or prevention and post incident response analysis.</p> <p>Utilities: Supporting data and IT infrastructure needed for integrating customer sited and grid DERs : from EV charging to solar + storage to microgrid</p> <p>AMI and leveraging customer data for improving revenue streams and enhancing customer experience</p> <p>Cyber resilience: advanced data analytics for predictive and recovery modeling and planning</p>
<p>Location:</p>	<p>The Summit will be hosted at the Mary M. Gates Learning Center / United Way: 701 N. Fairfax St. Alexandria, VA http://www.marygateslearningcenter.com * Rental fees will support the nonprofit United Way Foundation</p>

General Target Audience:

Public and private sector participants include but not limited to: Facility Executive Management and Energy Managers from Commercial, Industrial and Institutional Facilities and Campuses; Engineering and Architectural Design Directors ; Utility CIO, T&D Directors, Data Scientists and IT & Innovation Directors; Federal and State Energy Facility Directors; Academia, and Industry Innovators

Key titles include but not limited to:

- Executive level charged with strategic planning and digital /IT integration and performance management
- Energy Innovation Directors and emerging technologies representatives
- Grid or market operators / Digital grid technology and software developers
- Engineering and Architectural Directors
- Software innovators in: asset performance management software, analytics and analysis, advanced machine-learning
- Data science and digital integration

DRAFT AGENDA

ALL SPEAKERS LISTED WERE ORIGINALLY SCHEDULED FOR 2020. WE ARE IN THE PROCESS OF RE-INVITING ALL ORIGINAL SPEAKERS FOR OUR IN -PERSON DATES IN OCTOBER 2021: to be announced soon!

SUMMIT DAY 1	
7:15 – 8:15	Registration and Networking Breakfast
8:15 – 8:30	Welcome: Opening Remarks by Moderator: H.G. Chissell, Founder and CEO Advanced Energy Group
Opening Remarks	
8:30 – 9:00	<p>Improving the Energy Efficiency, Flexibility, and Resilience of America’s Energy Grid through DOE’s Grid Interactive Efficient Buildings Initiative</p> <p>The Department of Energy (DOE) is researching how buildings, linked to one another across the grid and the internet, can be joined to improve themselves, each other, and America’s energy system. That’s the vision of DOE's Grid-interactive Efficient Buildings (GEB) Initiative, led by the Office of Energy Efficiency and Renewable Energy (EERE) and our Building Technologies Office (BTO).</p> <p>-Overview of our current objectives and project initiatives and how building developers, industry innovators, and academia can become involved</p> <p>Mr. Alex Fitzsimmons, Deputy Assistant Secretary for Energy Efficiency, Office of Energy Efficiency and Renewable Energy, DOE (re-invited)</p>
9:00 – 9:30	<p>Developing a Data Driven Operating Strategy to Support Energy Optimization in Future Intelligent /Connected Buildings: A look to the Future of hyper connected buildings’ energy frameworks and the role for advanced data driven application</p> <p>-Insight into current client /tenant objectives related to energy; from generation resources, to abilities to directly control and monitor energy consumption. With a view over the horizon, what will future baseline building energy management systems be required to monitor and autonomously interpret and control?</p> <p>--Powering IoT Capabilities: efficient ways to apply levels of AI /automation to energy management data in an intelligent building to help ingest and provide meaningful analytics to the end user. How much of our energy management processes will need to have a level of AI applied because of the sheer volume of data being generated in Intelligent Building design ?</p> <p>-A look to the future: Perspective on the supporting data ecosystem(s) needed to support a future of Grid- Interactive Efficient Buildings: what will that data governance and chain of command between utility and building look like? Who sees / controls what asset and where would the data be stored</p> <p>Mr. Edward Wagoner, Executive Director, Digital CIO, JLL (re-invited)</p>

9:30 – 10:00	<p>Developing a Data Driven Electric Grid: Using Data Strategically to Improve Service Reliability and Drive Operational Efficiencies in the Utility Sector</p> <ul style="list-style-type: none"> -What function of grid operations can / should be optimized through data driven tool sets? -How PPL is taking a data-driven approach to improving maintenance & operations, one fueled by predictive data science, machine learning, and AI: case example of how we are using data effectively to predict future outages -Looking ahead to harnessing real-time data and taking the next step in our journey towards an 'always-on,' prescriptive AI capability. - Viewpoint on the strategic and operational approach to a future of grid interactive efficient buildings: What might that future relationship look like from a utility viewpoint? <p>Mr. Dave Bonenberger, Vice President Transmission and Substations, PPL Electric (re-invited)</p>
10:00- 10:30	Networking Break

Designing and Managing for Energy Optimization in Commercial Buildings

10:30 -11:00	<p>From Project Design to Implementation: Optimizing Commercial Building Energy Infrastructure and Management Through Data Driven Capabilities</p> <ul style="list-style-type: none"> - How can we use energy data to inform our project design and development process? How do we measure and verify energy use, operation and efficiency to align with our clients' objectives? -How much are we willing to automate throughout a building's energy infrastructure and what data tools are facility managers finding the most helpful in supporting reliability and efficiency? -Powering IoT Capabilities: The experiential evolution in commercial buildings is reliant on hyper IoT connectivity, sensors, and other inputs informing aspects of artificial intelligence.: What will this require of the energy infrastructure and management system of the building? -Viewpoint towards the future energy management system's capabilities needed for developing grid interactive efficient buildings <p>Mr Jonathan Winikur, Executive Managing Director, Project Management, Northeast U.S., Colliers International (re-invited)</p>
--------------	--

11:00 -11:30	<p>Using Data Smartly to Design for a Hyper Connected, Lower Carbon Built Environment</p> <ul style="list-style-type: none"> -What technologies and digital tools are allowing us to create smarter, lower carbon buildings? -How much are we willing to automate throughout a building's energy infrastructure? Where can we currently apply advanced ML/ narrow AI capabilities without concern for loss of reliability or resiliency? <p>Ms. Fiona Cousins, Group Board Member and Americas Digital Services Leader, Arup (re-invited)</p>
--------------	---

11:30 -11:40	Refreshment Break
--------------	--------------------------

11:40 -12:10	<p>An Engineer's Perspective Towards Leveraging Energy Management Data to Support Building Optimization and Demand Response in the CRE Industry</p> <ul style="list-style-type: none"> -What data sets / tools are proving meaningful in supporting demand response , predictive fault detection and continuous monitoring-based commissioning capabilities for increased reliability and efficiencies? What's needed and what's not to avoid drowning in data -How are we visualizing data in our managed facilities? -Advice towards how to incorporate data-based outcomes into human planning and decision making : how much of our energy ecosystem are we willing to automate with advanced ML and AI applications? <p>Mr. Ryan Easton, CEM, Chief Engineer, Cushman and Wakefield (re-invited)</p>
--------------	--

12:10 -12:40	<p>Directing New Commercial Building Projects for Energy Optimization</p> <ul style="list-style-type: none"> -Energy modeling, net-zero building design and energy use reduction strategies. -What are the supporting data capabilities you need to incorporate when focused on energy optimization design -Case study of UniSphere: understanding the data management system we implemented for the energy infrastructure of a net-zero urban building (what are we measuring, how do we visualize the data, and where have we applied levels automation and predictive analytics) - Advice towards developing the right team and technologies: key questions to consider when entering any new development project with the goal of net zero energy. <p>Mr. Avi Halpert, Vice President, Corporate Real Estate, United Therapeutics (re-invited)</p> <p>Mr. Thomas Kaufman, Director of Corporate Real Estate, United Therapeutics</p>
12:40 -1:30	<p>Networking Lunch</p>
1:30 - 2:00	<p>The Role for Advanced Big Data Capabilities in Supporting the Future of Sustainable Climate Control in the Built Environment</p> <ul style="list-style-type: none"> -What will the near future of the built environment demand from its climate control systems (from impacts on health, wellness and safety requirements to improved sustainability and efficiency goals) : how will this impact the current energy management systems and what will future data driven applications be required to achieve? Will future climate controls create more data that needs real time analysis and analytics on it? How much will need to be automated and what will this demand from the overarching energy infrastructure? <p>Mr. Paul Camuti, Executive Vice President and Chief Technology and Strategy Officer, Trane Technologies (re-invited)</p>
<p>Department of Defense Focus on Resiliency</p>	
2:00 – 2:30	<p>U.S. Army Corps of Engineers: Improving Energy Security and Conservation for High Performance Sustainable Buildings and Civil Works Projects</p> <ul style="list-style-type: none"> - Key TTPs we use in our project design phase for the objective of Net Zero Energy, water and waste to the maximum extent practical and fiscally prudent - What advanced data driven capabilities are utilizing to increase energy efficiency in a built environment such as energy modeling software in the design phase -Balancing the demand for increased energy efficiencies without compromising reliability. Key cyber resiliency considerations for the implementation of any data based control or energy management system --Building agility into our Energy Master Plans: how to build in flexibility and agile methodologies into current decision making that accounts for the future digital innovations <p>Mr. David Williams, Energy Program at HQ, U.S. Army Corps of Engineers (re-invited)</p>
2:30 – 3:00	<p>Case Study: Critical Power Facilities - Utilizing Smart Grid Capabilities to Improve Reliability & Resiliency in Department of Navy Installations</p> <ul style="list-style-type: none"> - Brief overview of the current data driven capabilities and applications we have put in place and why: from digital twins of an installation, analytic capabilities supporting predictive maintenance, cost management, and advanced warning of energy failures that may impact maritime readiness. -Critical power reliability and the role of data: With evolving digital threats to infrastructure and networks, what were the overarching requirements we established prior to implementation. Key questions to consider when optioning any data-based capability from a cyber resiliency / security perspective - Areas for improvement within our current energy management systems: improved real time analytics? Better data sets? <p>The Naval Facilities Engineering Command, U.S. Department of Navy (NAVFAC senior representative re-confirmed)</p>

3:00 – 3:30	Refreshment Break
-------------	--------------------------

Data Science, Analytics & Innovation: What can we do with the data?

3:30 – 4:00 Afternoon Highlight	<p>Using Real-Time Energy Management To Optimize Commercial Building Operations</p> <ul style="list-style-type: none"> -How do we measure and verify energy use, operation and efficiency? What advanced energy optimization capabilities does NANTUM provide us and where are we seeing the greatest increases in energy efficiencies? How do we visualize our data? -How much are we willing to automate throughout a buildings energy infrastructure? Where can we currently apply advanced ML/ narrow AI capabilities without concern for lose of reliability or resiliency? -Viewpoint towards the future energy management system’s capabilities needed for developing grid interactive efficient buildings <p>Mr. John Gilbert, COO / EVP/ CTO, Rudin Management Company (re-invited)</p>
---	---

4:00 – 4:30	<p>Applying Machine Learning and Statistical Modeling to Energy Problems: How Data Science Can Enable the Evolution of Energy Systems</p> <ul style="list-style-type: none"> -Future energy data analytic application areas across utilities and buildings: where could we apply advanced ML/ narrow AI that could help improve the energy efficiency of buildings? How can we apply data driven capabilities to help in the integration and real time control of DER assets into the grid (including customer sited) -How do we tie the two together,using data applications, to develop an effective grid interactive efficient building ecosystem. What tools will need to be developed and what should the data governance structure look like? <p>Dr. Kyle Bradbury, Managing Director, Energy Data Analytics Lab, Duke University (re- invited)</p>
-------------	---

4:30 – 5:00	<p>Utility Perspective: Enabling Facility Customers to Leverage Advanced Facility Analytics to Optimize Energy Use</p> <ul style="list-style-type: none"> - Understanding the IT backbone needed for facility energy managers to participate with DERs in interactive utility programs for improving efficiencies including peak load management, time of day pricing and demand response -What data sets have been providing the most useful analytics for utilizing onsite DERs to increase efficiencies and overall flexibility -Overview of The Consumer’s Energy Virtual Energy Engineer: a cyber secure cloud hosted technology core platform <p>Mr. Glenn Remington, Energy Engineer, Consumers Energy (re-invited)</p>
-------------	--

5:00 – 5:15	Closing Remarks End of Day 1
-------------	-------------------------------------

| SUMMIT DAY 2

7:30 – 8:45	<p>Networking Breakfast and welcome back</p> <p>SPEAKERS LISTED WERE ORIGINALLY SCHEDULED FOR 2020. WE ARE IN THE PROCESS OF RE-INVITING ALL ORIGINAL SPEAKERS FOR OUR IN-PERSON DATES IN OCTOBER 2021</p>
-------------	---

CIO / CDO Perspectives

8:45 – 9:15	<p>Utilizing Advanced Data Applications to Improve Operational Objectives</p> <ul style="list-style-type: none"> -How much of our data are we willing to automate? Where can we currently apply advanced ML/ narrow AI capabilities without concern for loss of reliability or resiliency? -Data storage : key elements to consider towards onsite vs offsite and hybrid cloud options -Transitioning from IT owner to IT broker: Advice for organizations for moving from asset intensive businesses to data and information intensive businesses -Thoughts towards the future grid interactive efficient buildings and what the supporting data management and governance will need to look like (I am not sure if you have any focus on this right now but would value your general thoughts) <p>Ms. Pamela Isom, Deputy CIO for Architecture, Engineering, Technology, and Innovation, U.S. DOE (re-invited)</p>
-------------	--

9:15 – 9:45	<p>Improving Energy Optimization with Advanced Data Applications for the Utility Sector: Transforming Business Models and Processes to Support Innovation</p> <ul style="list-style-type: none"> - Understanding the overarching business strategies to successfully manage technology innovation in the utility sector. What key elements do you need to include when optioning any new data capability including how to select metrics and quantify their objective function (cost/benefit curve). -Current priorities for data driven applications across National Grid: where would we like to have more levels of automation, analysis /predictive analytics or even AI applied? (T&D level, customer level, market level....) -Utility perspective on the supporting data ecosystem(s) needed to support Grid- Interactive Efficient Buildings: what will that data governance and chain of command between utility and building look like? Who sees / controls what asset and where would the data be stored? <p>Ms. Adriana Karaboutis, Group Chief Information & Digital Officer, National Grid (re-invited)</p>
9:45 – 10:15	<p>Energy Optimization Through Advanced Digital Capabilities in the Utility Sector</p> <ul style="list-style-type: none"> -What data driven capabilities are proving effective in improving customer experience and asset management. - Thoughts on developing an effective grid interactive efficient building ecosystem. What tools will need to be developed for full spectrum asset management and what should the data governance structure look like? <p>Mr. Mahesh Sudhakaran, Chief Digital Officer, IBM Energy, Environment & Utilities (re-invited)</p>
10:15 -10:45	<p>Networking Break</p>
<p>Smart Neighborhoods and Grid Interactive Efficient Buildings (GEBs)</p>	
10:45 -11:15	<p>Smart Neighborhood: A Technical Look at the Design and Significant Lessons Learned in the Energy Management Framework of Southern Company’s Smart Neighborhood Projects</p> <p><i>Preparing for evolving customer expectations and future grid needs including demonstrating DER use cases optimizing cost, reliability, and environmental impact with a community-scale microgrid; with connected home technologies providing an improved customer experience and to demonstrate buildings-to-grid integration with real-time utility-to customer interaction</i></p> <p>-Overview of our technical approach including: quantifying the value to the grid of operating microgrid with controllable loads, developing and demonstrating control algorithms for generating macroscopic load shapes, evaluating price/incentive signal design with a microgrid and controllable loads and developing scalable system-level architecture for performing control at scale</p> <p>-Significant lessons learned thus far including: Significant load flexibility is available from residential loads; Design of control-related application identified new requirements; Shorter and/or more specific peaks allow for more significant demand impacts</p> <p>Dr. Justin Hill, Senior Research Engineer - Intelligent Buildings Research, Southern Company (re-invited)</p>
11:15- 11:45	<p>Urban-Scale Energy Modeling for Grid-Interactive Efficient Building</p> <ul style="list-style-type: none"> -Current research advances in building energy modeling, empirical validation through utility partnerships, high performance computing, artificial intelligence, computer vision, and big data mining - Status update on DOE's flagship whole-building simulation product, EnergyPlus, and OpenStudio software development kit --Perspective on what capabilities the supporting data ecosystem(s) will need to support Grid- Interactive Efficient Buildings <p>Dr. Joshua New, C.E.M., PMP, CMVP, CSM, Senior R&D Staff, Oak Ridge National Laboratory (re-invited)</p>

11:45 -12:15	<p>Energy Management Data and Federal Facilities in a Grid Interactive Efficient Building Environment (GSA has the largest single portfolio of commercial office space)</p> <ul style="list-style-type: none"> -Capabilities / solutions we are focused on for allowing our current facilities to integrate more efficiently with the grid including demand flexibility attributes and measurable energy savings. What about new build? -What does the data governance structure and chain of command need to look like? -How your organization can become involved in Emerging Building Technologies' two programs — GSA Proving Ground (GPG) and Pilot to Portfolio (P2P) enable GSA to make sound investment decisions in next generation building technologies <p>Mr Kevin Powell, Director, Emerging Building Technologies ; Program Director, GSA Proving Ground (GPG). GSA (re-invited)</p>
12:15 – 1:00	<p>Networking Lunch</p>
1:00 – 1:30	<p>The Role for Advanced Digital Capabilities in Supporting Future Grid Operations: from supporting a decarbonization strategy to optimizing load forecasting</p> <ul style="list-style-type: none"> -What function of grid operations can / should be optimized through data driven tool sets? -What technical support do we need to help support the integration customer DERS, storage and EVs into the grid: advice on integrating new data driven technologies into legacy systems and infrastructure -Perspective on the strategic and operational approach to a future of grid interactive efficient buildings with demand flexibility DER coordination and optimization.: What might that future relationship look like from a utility viewpoint? <p>Duke Energy Corporation (invited)</p>
FUTURE OF ENERGY DATA IN COMMERCIAL BUILDING DESIGN & LARGE SCALE URBAN DEVELOPMENT	
1:30 -2:00	<p>Pre Construction Planning for a Net Zero Energy Facility: The Data and Supporting Applications that Provides the Best Operational Support</p> <ul style="list-style-type: none"> -How do we measure and verify energy use, operation and efficiency pre construction? How do we visualize our data? -What data do we need and how does it differ in a net zero environment? -Case Study : How DPR Construction built its new Washington, D.C. regional office to be a high-performance building: Serving as both owner and builder allowed DPR the opportunity see things from the customer perspective and take on the complexities involved in making hard decisions to achieve goals of LEED, WELL and NZE certification. <p>Mr. Chris Gorthy, Project Executive, DPR Construction (re-invited)</p>
2:00 – 2:30	<p>An In-depth Look at the Energy Management Tech Behind the Largest New Urban Development in the World</p> <ul style="list-style-type: none"> -How Related developed and implemented the digital strategy for the energy management of the Responsive City at Hudson Yards. What were our key energy optimization objectives and how did we develop the supporting metrics to quantify them? - How much were we willing to automate and where did we apply advanced levels of analytics / ML? what level of predictive / prescriptive analysis is in place? - How do we visualize the data? -A view over the horizon: where the next innovation in energy management may lie for a data led mixed use real estate community. What will future building management systems be able to monitor and autonomously interpret and control? <p>Chief Digital Officer, Related, Hudson Yards (re-invited)</p>

2:30 – 2:40	<p>Case Study on Bee'ah's New headquarters in Sharjah, United Arab Emirates: <i>one of the first in the world to have full integration with AI to support new seamless experiences for optimization of efficiencies, performance and functionality powered by renewable energy and optimized for the sustainable use of resources to have zero net energy consumption and achieve a LEED platinum certification</i></p> <ul style="list-style-type: none"> -Learn how Johnson Controls will deploy a technical infrastructure for the building capable of monitoring its entire environment virtually with Microsoft Azure Digital Twins and IoT technologies. - Making sense of the data: what capabilities and tools will the energy management platform support for the facility managers to utilize? -How will we bring disparate energy OT and IT datasets together harmoniously and standardized to support analysis and advanced analytics to improve energy optimization -Key metrics for ensuring the functional objectives of energy optimization are being achieved <p>Mr. Michael J Ellis, CDO, Johnson Controls (re-invited)</p>
-------------	---

CUSTOMER / TENANT FOCUS

2:40 – 3:15	<p>Supporting Energy Efficiency, Sustainability and Reliability Goals at JBG Smith through our Tenant Service Center</p> <ul style="list-style-type: none"> -Brief overview of the Tenant Service Center's capabilities, a 24/7 network operations center that sits at the heart of JBG SMITH's engineering division, operations platform, and emergency response programs. - How we are utilizing data - centric tools to monitor real-time energy usage, control building systems and respond immediately to address spikes in energy consumption. What data sets are proving most useful and how are we avoiding drowning in the data as we begin to apply more advanced big data capabilities to our Center. How far can the data currently take us? (Can we do levels of predictive or perspective analytics in the near term and how much are we willing to turn over to advanced data applications in the future?) - Tenant Engagement: how are we using data in the programs we have developed to focus on providing guidance and resources to ensure we are meeting our tenant's goals for environmental responsibility and occupant wellness in the workplace. What data is proving meaningful for our tenants and how do they want that visualized? - Where we see the 'next steps' for advanced big data applications in building energy management <p>Mr. Eddie Dunlap, Senior Vice President, Engineering Services, JBG Smith (re-invited)</p>
-------------	--

3:15 – 3:45	<p>Data Analytics for NLP in the Utility Sector: Utilizing Data Applications to Improve Customer Service</p> <ul style="list-style-type: none"> -How Ameren is approaching the application of advanced analytics to help support NLP for customer service -Best practices and lessons learned towards optioning the right data sets according to the desired outcome <p>Mr. Michael Fry, Lead Data Scientist, Ameren (re-invited)</p>
-------------	---

CYBER

3:45 – 4:15	<p>Cyber Security Protocols for The Energy Sector</p> <ul style="list-style-type: none"> - Current threat environment in an increasingly decentralized grid and connected, smart building environment: how does this alter the threat environment for utility customers and vice versa - Who "owns" cyber security within the utility sector? Advice on properly aligning security measures across your operational enterprise and with business and IT strategies -Futures perspective: what should good data governance look like for any grid-interactive system to ensure a high level of cyber resiliency -Where to store your data and key questions to consider when optioning on prem vs off prem options from a cyber security perspective
-------------	--

4:15 – 4:45

Closing Remarks:

A Look at the Future of Green, Healthy Building Design, Operations, and Stakeholder Engagement

- Insight towards what future tenants / occupants will require from their built environments?
- How will this impact the energy consumption, production and management of buildings?
- Perspective on evolving relationships between grid and building, and building and tenant /occupant

Mr. Jeffrey Abramson, Partner, The Tower Companies (re-invited)

4:45- 5:00

End of Summit

SESSIONS ARE NOT IN FINAL ORDER

POC: Monica Mckenzie, Managing Partner, Roosevelt Strategic Council

mckenzie@rscouncil.org | 917.435.1266

Website: <https://rscouncil.org/bigdata>