DOWNLOAD PDF THE ENERGETIC MANAGER

Chapter 1 : Energy Project Manager Jobs, Employment | racedaydvl.com

" The Energy Manager helped us with our contract renewal process. They took the hassle out of searching the market for the best deal and saved us 25%. They took the hassle out of searching the market for the best deal and saved us 25%.

The Evolving Role of the Energy Manager By Edison Energy Recently we have seen some very enthusiastic public statements from leaders in the business community voicing their continued commitment to lowering greenhouse emissions through the adoption of renewable energy and sustainability programs. Just ask the Energy Managers. Energy risks abound and they often go unnoticed. And that means more changes ahead for the energy manager as companies broaden their focus beyond energy efficiency programs and start treating energy as the strategic asset it really is. The role of the Energy Manager is more critical than ever. What began as the person responsible for interacting with the local utility for quality of service and delivery has evolved into a key leadership role with direct contact into the C-suite. Factors driving this expanded role parallel a dynamically-changing energy industry, including regulatory changes across multiple regions and markets, supply and demand-side planning, sustainability programs, and new technology adoption to name just a few. This decentralized approach left the Energy Manager fighting with other departments and regions for energy improvement budgets. According to the ReD Associates Energy Decisions Study, it is estimated that 73 percent of Fortune companies have a centralized energy team, but this function still struggles with getting approval for cost-saving energy programs, since they must compete for capital programs with other core company functions. Energy risks are not understood by key departments, such as Treasury, or by the CFO. Data is latent â€" or not available at all â€" that would enable companies to make more informed decisions that would in turn reduce energy risk and help meet sustainability goals. The Energy Manager 3. Energy is treated as a strategic asset, and its use is viewed holistically: The organization is aligned to support an enterprise-wide view of energy; Data analytics inform the optimization of energy procurement, cost-saving programs, sustainability and resiliency programs; and, Energy supply, capital investments and operations are all aligned organizationally to optimize energy use throughout the company, in all of its diverse geographies and regions. The energy market is undergoing profound structural changes. Companies are now exposed to an extremely balkanized, dynamic and even volatile energy market, for which most are ill-prepared. As a result, companies are falling behind the competition, spending too much for energy, cannot provide visibility for the investment community, and are losing an opportunity to create more brand equity and thought leadership. Something has to change. This all circles back to the pubic aspirational statements by leaders in the business community on remaining steadfast in their commitment to meeting their GHG and sustainability goals, in spite of what happens in Washington. Getting there will require changes in the way their companies procure, use and manage energy across their enterprise. One thing we know for certain:

Chapter 2 : Verify Login - Energy Manager

We are the leading daily trade publication keeping corporate executives responsible for procuring and energy management informed. Find energy efficiency news, research, and white papers.

Jody East has a broad range of experience including military, engineering, environmental, and project management. Of his over 26 years in engineering, almost 22 years include the management of environmental compliance and permitting. Project management has included everything from small process improvement projects up to , square-foot buildings, as well as large biofuels projects. In his spare time he has served on several local boards and is currently serving as the chairman of the County Water Authority Board of Directors. After growing up in the Kansas City area, she attended the University of Kansas receiving a degree in Architectural Engineering. During college she interned for a consulting engineering firm where she accepted a mechanical engineering position after graduation. During her time as a consulting engineer, she performed plug load studies for a local real estate management firm which provided her first exposure to Energy Management. After the addition of her second child, she accepted a position with Trane as a sales engineer where she was exposed to energy modelling and construction contracting. During her time with Trane, she was offered a partnership in a mechanical contracting company which she accepted. Projects included major office renovations and partnerships with General Contractors on new construction. Feeling a need to get back into engineering and energy, she accepted a position as an Energy Engineer with a national energy services company. Ellen developed energy conservation projects for clients such as K school districts, city and county governments, and higher education that led to a position with Sprint Real Estate as Energy Program Manager. Desiring a move to Colorado, she accepted her current position at CU Boulder. After leaving the nuclear industry, Justin has progressed through his career in engineering in the plant utilities space and managing water treatment programs at Google, Inc and then supporting all of the manufacturing plants at ConAgra Foods, Inc. As part of this role, the main focus is on asset preservation and utilities energy efficiency improvements while reducing chemical and water use where possible. The Vincit Group is a unique organization of member companies that provides chemical services, contract management, and automation and engineering solutions throughout the U. George works with operations and design teams to integrate sustainability strategies into projects and optimize building operations throughidentifying and building business cases for energy management measures. He has also led projects to improve corporate recycling programs and led negotiations for the development of a KW solar system at a data center facility. George is also responsible for managing the utility bill pay process for all facilities and leads negotiations of deregulated power contracts including all green power purchases for the company. Since , George has held several roles at Capital One including Supply Chain Management and development of a test platform for a new debit card processing product. He managed supplier sourcing projects and negotiated contracts. He also currently serves as Board President for Rebuilding Together Richmond, a non-profit focused on home renovations for low income elderly residents and military veterans. In his roles, he has been responsible for creating thought leadership and benchmark research to help industrial executives address operational, environmental and quality management related challenges. He is a writer, researcher, and content specialist with more than 12 years of experience writing, reporting, editing, and research with a particular subject matter expertise in EHS, sustainability, and technology. With over 17 years of extensive experience in the energy and engineering industry, his role entails developing and executing strategies to generate energy from renewable sources, energy management, identifying and deploying clean-tech innovation, and environmental data management and analytics. His experience includes evaluation of potential projects for self-development, acquisition or investing; overseeing engineering, construction, financial structure analysis, state and federal incentives analysis, renewable energy certificate REC markets; and developing off-take strategy. He heads the initiative to centralize environmental data from various sources from across multiple business units and establishes governances and processes to capture accurate data, establish key performance indicators, and improve business processes. Before joining Cox, Kevin worked at Southern Company and held various positions in

engineering and marketing services. Since beginning this role, Threlkeld has negotiated or implemented long-term power purchase agreements for over 40 megawatts of renewable energy at GM facilities. Zucco has held numerous leadership roles in the areas of manufacturing, strategic sourcing and supply chain management, as well as positions in manufacturing engineering, production management and plant management. His current role as senior director energy and sustainability capitalizes on his extensive background and experience. Al is responsible for developing and implementing the sustainability strategy for USG Corporation. Al and his wife Fran have been Naperville, IL, residents since and have enjoyed raising their children in such an outstanding community. He has been and is actively involved in various community activities such as coaching and scouting and enjoys hiking, biking and spending time with his family.

Chapter 3 : Certifications | Association of Energy Engineers

Energy Manager is a program developed by Lenovo. The most used version is , with over 98% of all installations currently using this version.

This alert will flag any properties missing the required IT Meter. A "full month" includes the first and last days of that month. If your bills run from mid-month to mid-month, you will need 13 bills to equal "12 full calendar months. Office, Retail, K School. You can create one at the top of the Details tab. The quantity is expressed as a weight e. You should include all laundry processed, including laundry processed on behalf of other businesses e. Approximate Pool Size Approximate Pool Size is the size of either indoor or outdoor heated swimming pools. Aquarium Aquarium refers to buildings used to provide aquatic habitat primarily to live animals and which may include public or private viewing areas and educational programs. Automobile Dealership Automobile Dealership refers to buildings used for the sale of new or used cars and light trucks. The concentration should be an average concentration, estimated over a month period. BOD is the measure of the amount of oxygen required by bacteria for stabilizing material that can be decomposed under aerobic conditions. BOD5 is a commonly used determinant of the organic strength of a waste, recording the oxygen demand over a five-day period. BOD5 is a commonly used determinant of the organic strength of a waste, recording the oxygen demand over a five day period. Average Number of Residents The Average Number of Residents is the average number of residents that occupied the property for the previous 12 months. Residents should only include those who live at the property, and should not include any employees or any visitors. Avoided and Net Emissions Avoided Emissions and Net Emissions provide two related characterizations of the emissions benefit associated with green power. This is the avoided emissions effectively resulting from your onsite system. This is the avoided emissions effectively resulting from a green power purchase from your utility or independent supplier. In this case, the avoided emissions associated with your green power originate from offsite sources, not your onsite system. Under standard GHG accounting protocol, your first step is always to compute your starting emissions inventory. This inventory will count electricity consumption from onsite systems as having zero emissions and will count electricity consumption of utility green power purchases as having the same emissions as non-green power i. This inventory is your basic starting point. Then, you have a separate line item to account for your Offsite Avoided Emissions. Barracks Barracks refers to residential buildings associated with military facilities or educational institutions which offer multiple accommodations for long-term residents. Basic Property Information Basic Property Information includes the property name, address, gross floor area, Property IDs, and federal data if applicable. Bowling Alley Bowling alley refers to buildings used for public or private, recreational or professional bowling. Campus A campus is a collection of two or more buildings that function as a single property. They are generally owned and operated by the same party. For other property types that exist as a campus such as an office park made up of multiple office buildings, or a lot containing several warehouses , each individual building must be benchmarked and certified individually. This may require sub-metering if multiple buildings share an energy meter. Casino Casino refers to buildings primarily used to conduct gambling activities including both electronic and live table games. You can select the pre- and post- periods you would like to compare. As a staring default Portfolio Manager will set these periods according to your date of completion. For example, if you have an project with a completion date of March 15, , then your change will compare the EUI for the 12 months before the implementation date of your project March to February to the 12 months after your project April to March We do not attempt to estimate the effect of a single energy project controlling for all other changes. This includes public and private colleges and universities. Completely Enclosed Parking Garage Completely Enclosed Parking Garage is the total area of a parking structure that is completely enclosed on all four sides and has a roof. This includes an underground parking structure or a fully enclosed structure on the first few stories of a building. Typically, such spaces are separated by walls and doors and have their own temperature and humidity control. After they accept your connection request, they will show up on your list of connected contacts. Construction Status Construction Status indicates whether your property is: You can

change the construction status on the Details tab, under Basic Information. In most cases, this is the person who submits the application online. This person must be in your Contacts Book, but does not necessarily have to have a Portfolio Manager account. If your property is managed internally by the property owner, this field will not be applicable. Convenience Store with Gas Station may include space for vehicle servicing and repair. Convenience Store without Gas Station Convenience Store without Gas Station refers to buildings used for the sale of a limited range of items such as groceries, toiletries, newspapers, soft drinks, tobacco products, and other everyday items, which are not co-located with a gas station. Convention Center Convention center refers to buildings used primarily for large conferences, exhibitions, and similar events. Convention centers may include a diverse variety of spaces, including large exhibition halls, meeting rooms, and concession stands. Loading dock areas located outside the walls of the building should not be included in the gross square footage. This may include restaurants and cafeterias. Redundant cooling equipment is typically required in a Data Center to have backup cooling in case of a cooling equipment failure not a power outage. The specific level of redundancy will depend on your particular Data Center. Courthouse Courthouse refers to buildings used for federal, state, or local courts, and associated administrative office space. You should enter the same Currency Type for all of your properties to allow for comparison. As a future enhancement, Portfolio Manager may add a field to specify a Currency Type of either Canadian Dollars or US Dollars, on a property-by-property basis for all of its all financial indicators e. Portfolio Manager does not convert between currencies. Custom Access Custom Access allows you to select more granular permissions for each group of information Property, Meters, Goals, and Recognition. If you are sharing a property with multiple meters, you can even select different permissions for each meter. By default, all selections are set to "Read Only. However, all metrics for the property are still accessible via Reporting. Data Center Data Center refers to buildings specifically designed and equipped to meet the needs of high density computing equipment, such as server racks, used for data storage and processing. Typically these facilities require dedicated uninterruptible power supplies and cooling systems. When a data center is located within a larger building, it will usually have its own power and cooling systems, and require a constant power load of 75 kW or more. Data Center is intended for sophisticated computing and server functions; it should not be used to represent a server closet or computer training area. When a data center is located within a larger building, include only the spaces that are uniquely associated with the data center in the gross floor area. For example, do not include spaces shared by the data center and other tenants, such as break rooms or hallways. Estimates are applied to all data centers in Canada. Monthly measurements are recommended, on schedule with utility readings, if possible. However, you may track IT energy at the other measurement locations for your own purposes. In the following circumstances only, EPA will permit alternate measurement approaches based on the IT configuration: Two options are permitted: It is computed as the total annual source energy divided by the annual IT source energy. A typical PUE value is about 2. The default values are derived from the sample population that was used to create each score. However, you should always go back and enter the actual values for your property to obtain the most accurate score. For more information on default values, see our Default Values Technical Reference. Degree Days Degree days measure the amount of heating or cooling necessary at your property. Degree days are measured relative to a base of 65oF. Above 65oF it is assumed that your property will need to have cooling and below 65oF it is assumed that your property will need to have heating. For example, if you have a day on which the temperature is 55oF degrees, that day is worth 10 Heating Degree Days because it is 10 degrees below 65oF. For example, if you have a day on which the temperature is 80oF degrees, that day is worth 15 Cooling Degree Days because it is 15 degrees above 65oF. We will correspond with this person if there are any issues with the application. This may include bakeries, lunch counters, restaurants, or other commercial food service activities. Distribution Center Distribution Center refers to unrefrigerated buildings that are used for the temporary storage and redistribution of goods, manufactured products, merchandise or raw materials. Depending on the water source ground water, surface water, purchased water , a water utility may or may not contain a treatment process. Editing and Updating In the action menu for each property, you will find two ways to change your data: Making an edit in the History Log will correct the value, but there will not be a record of this change saved in Portfolio Manager. Your energy use intensity can be affected by these

changes. For most commercial buildings, demand is measured in kilowatts kW. The utility then recoups these costs by billing you based on your highest measured demand, and when that demand occurs relative to when the utility experiences peak demand on their system. You should be able to find this rate, measured by kW, on your electric bill. Your bill may have a single value for demand cost, or you may have to add individual demand costs and tariffs explicitly related to electric demand. Demand costs should be a subset of your total electricity cost. It is not a cumulative number. This is only important if you have multiple electric meters tracking demand because you can only get one Annual Maximum Demand per property. Unlike the other demand metrics, cost is a cumulative number. Demand costs are a subset of total electricity costs.

Chapter 4 : Energy Manager Today | Energy Management News & Best Practices

Energy management is the strategic evaluation of energy use. Energy management is concerned with planning for energy efficiency. It may involve the energy usage of machinery, equipment, buildings, other physical structures, or processes.

Five, ten, twelve, and fifteen zone control options allow for multi-zone thermostat settings-resulting in added comfort and overall energy savings for homeowners. The factory pre-wired harness and quick reference notes on settings save valuable installation and system set up time. The installer simply brings in power, and connects thermostat and zone valve wires. Thermostat LEDs â€" display areas of the home calling for heat. Individual Zone LEDs â€" display areas of the home being heated. Temperature Indicator LEDs â€" display boiler return temperature. Monitor Output Connection â€" signals lack of fuel or burner operation, inadequate water flow, temperature sensor error and potential freeze conditions. May be connected to home or building security system, signal lights or devices and dial out systems. Customized Option Switches â€" Allow for hot water priority settings, chimneyless operating functions, customized zone energy recovery settings, and more. Option Switches Option switches customize the digital energy manager for each home installation. Compare to Temperature Reset Controls The Digital Energy Manager is responsive to cold returns from large or small water volume systems, and always maintains safe minimum boiler temperatures. It also provides useful information with indicator lights, thermostat connections, outputs zone connections. The manager cannot cause a burner lockout. Click Here to download Nest wiring instructions. The instructions are printed right on the front of the board. The service board also allows the boiler to run if the manager is damaged or is not functioning properly. Be assured that the manager is very durable and virtually maintenance free-if you ever suspect there is a problem, heating professionals should review the diagnostic video and contact Energy Kinetics if a problem is identified. Digital Energy Manager Warranty You and your customers can have peace of mind because the Display Energy Manager comes with a five year part warranty which includes a lifetime protection â€" no product registration is required! The display provides additional system information and diagnostics. The basic diagnostics are very similar to the Digital Energy Manager, so viewing the Digital Energy Manager page may also be helpful.

Chapter 5 : Energy Manager Salary | PayScale

The Energy Manager. 72 likes. "it's our business to focus on your energy, so your energy is focused on your business" Helping businesses save time and.

For large organizations, a dedicated energy manager is one of the best hires you can make. Learn more about the value an energy manager brings here. What does an energy manager do? Energy managers have the strategic and technical expertise to recommend the energy-saving equipment and technologies that are right for your business. Why hire an energy manager? Energy managers mean business. Get in touch with your local program provider to find out more about available incentives and how you can apply. Find your local program provider Enter your postal code below to find out who to contact to apply for the Energy Manager program. Note that some postal code areas are served by more than one hydro company. Enter your postal code: Learn more about the Energy Manager award winners. Along with efficient boiler and chiller initiatives, the conservation measures taken have resulted in a daily monetary savings in the six figures and the Most Innovative Energy Savings Project award. Because of this, Hiren and the plant were awarded with the Provincial Energy Manager of the Year award. With stores across Ontario voluntarily creating energy conservation teams, energy scorecards to measure building performance, and efficient rooftop HVAC unit installations, The Home Depot saved enough energy to power 13 stores in a year. Molson Coors - Toronto Brewery Energy Manager Award winner for Most Energy Savings, Johnathan Barrington and Molson Coors invested in prediction software to analyze the weather forecast, which reduced demand during peaks and saved the Toronto brewery 1, MWh annually â€” a cost savings equivalent of producing 55, cases of beer. To combat leaks, Energy Engineer, Kevin Wagner created an innovative demonstration tool to simulate the noise of a compressed air leak â€” bringing energy awareness to assembly line workers and awarding Kevin and the company the Best Energy Savings Campaign accolade. Incentives are also available for multi-site and transmission-connected customers. This program eliminates the need for duplicate agreements, and complements other programs offered by local hydro companies. Energy managers can reach their targets through projects supported by other Save on Energy incentives, but a minimum of 10 per cent of energy savings must come from projects that have not received any incentive. You can also contact us if you have any questions or if you need any clarification. For more information, contact your IESO business manager, email ia ieso.

Chapter 6 : the energy manager

We are upgrading your login for better account security, powered by Microsoft Azure. Please verify your email address listed below. Once you click continue, please use this email on the next page.

To get and stay ahead in the industry, there is more and more pressure on energy managers to demonstrate their skills, knowledge and expertise. One way of doing this is through certification. In this article, we focus on the how and why of becoming a certified energy manager. How to Become a Certified Energy Manager? Organisations need energy experts that can make strategic energy decisions, lead energy efficiency projects, and ultimately, make the organisation more efficient and cut costs. Aside from a relevant degree and experience, employers may also seek professional certifications when hiring their next energy manager or consultant. To improve your employability and recognition in your field you might want to consider getting an official energy management certification. Having a certification on your CV and LinkedIn profile can showcase your expertise and give you an edge in a competitive industry. Why should I bother with certificates? Why become a certified energy manager? Of course your experience and track record to date will be the most important proof of your abilities. However, certifications can add a valuable feather to your cap. You might not have needed a certificate to get your current job. But nowadays certifications are becoming more and more common in the industry, and are particularly sought after in the UK and US. Recognised certifications can demonstrate that you are a top professional and that you can add value to a project, especially if you work with international clients and partners. Depending on the country and industry, certifications may be expected or even mandatory. The energy industry is dynamic and ever-changing. If you are looking to change job now or in the future, certificates can give you an edge over other candidates and may even be an essential requirement for some employers. Here we give a round-up of the top certifications out there: Candidates attend a CEM training seminar, pay a fee and take the official exam at one of remote testing centres. The training and exams are offered in multiple languages. CEMs need to show continuing professional competency in their careers, and renew the certification every three years. They are mainly US-based, on-site courses, but some offer online options too. What are the employment prospects for a Certified Energy Manager? CEMs go on to various jobs, such as:

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The Certified Energy Manager is an individual who optimizes the energy performance of a facility, building or industrial plant. The CEMÂ® is a systems integrator for electrical, mechanical, process and building infrastructure, analyzing the optimum solutions to reduce energy consumption in a cost effective approach.

While the need for a related degree is not always imperative, this position does typically require experience within the energy field. It is recommended that this person has extensive training with the type of energy pertinent to their organization sustainable energy, climate changes, energy engineering, etc. An energy manager should possess excellent communication skills, as well as exhibit enthusiasm regarding improving energy consumption. This person should be highly organized, possess great multitasking and analytical skills, and have the ability to work well with little-to-no supervision. This position typically requires a person who is able to negotiate and influence others regarding energy consumption. Project management skills are imperative. This person will typically work within an office environment and keep standard daytime office hours. However, a bit of field work experience is generally required. An energy manager can work for a variety of organizations, including educational institutions, local governments, charities, manufacturers, utility companies, and construction companies. This person may work individually or within a small team. An energy manager is responsible for evaluating the energy use of their company or organization and improving energy efficiency. This person will coordinate each area of energy management by implementing policies on renewable energy, carbon management solutions, and energy conservations. Other responsibilities often include offering training on energy efficiency, maintaining accurate records regarding energy use, collecting and analyzing data regarding energy use, benchmarking energy consumption against guidelines, and maintaining accurate information regarding laws within their area. Develop environmental stewardship plans and implement "green" initiatives within the company to reduce negative environmental impact. Resolve billing disputes, investigate service interruptions, and manage relationships with third party service providers to ensure smooth energy operations. Prepare energy reports and communicate performance to upper management. Develop and implement energy conservation initiatives aimed at reducing overall utility costs across the company. Energy Manager Job Listings Popular Skills for Energy Manager This chart shows the most popular skills for this job and what effect each skill has on pay. Energy Managers usually report a few specific skills. Average total compensation includes tips, bonus, and overtime pay. Energy Manager Advice Q: What is it like working as an Energy Manager? Energy Manager in Tucson: With the types of drastic shifts in energy and technology that the world is just starting to experience, the biggest challenge is guiding people who make up an organization through the change. Spend a lot of your own energy understanding how change can happen in your organization. Understand the perspective of everybody from the critical individuals keeping the place clean to the decision makers at the top. Find out what is important to them, what scares the and then design your program around those things. Design it to educate away fears, build on strengths and focus on the things that are important. Then you can install some solar panels and energy efficiency technologies! Energy Manager in McLean: The changing landscape of the utility industry, keeping up with the regulations, tariff modifications, data analysis, creating budgets. The pay is not as high as the amount of work is expected.

Chapter 8 : Energy Manager by Lenovo - Should I Remove It?

The Energy Manager App unfolds its full potential in connection with a fully integrated smart meter from racedaydvl.com Energy Manager EM is the Free Publisher: TQ-Systems GmbH.

Chapter 9 : Digital Energy Manager | Energy Kinetics

Company with Energy Manager jobs EthosEnergy Group EthosEnergy is a leading independent service provider of

rotating equipment services to the power, oil & gas & industrial markets globally.