

BIAZZUAL

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A LETTER FROM RAJ RAVILLA

Rajashekar R. Ravilla, P.E. is KC's president. He is responsible for the quality assurance and quality control of all projects and ensures a direct line of communication to each client at the highest level of management in the firm.

We have a very serious responsibility. As engineering professionals from a variety of disciplines, our communities, at the local and state levels, depend on us to provide insights and recommendations that will stand the test of time.

In the face of declining tax revenues and challenged infrastructure, KC stands as a bastion of care, innovation,

and foresight. Our designs affect millions of lives in the region, and the quality of our work has major economic impacts. KC continues to succeed in this regard. Our commitment to the ISO Quality Management System means that our practice can continue to grow while exceeding the high standard to which we hold our work. The second quarter of this year has been

a resounding victory, with our internal audit revealing proper record-keeping and oversight of all projects.

ISO helps us to develop increasingly safe and reliable designs, which in turn increases the demand for our work, and has allowed us to take on more new engineers. KC has experienced very significant growth over the last five

years, and it is my pleasure to announce that this growth has continued.

We continue to propose on new and varied projects from agencies of many sizes. We are an invaluable sub-consultant to many major national and international consulting firms, but have also increased our pursuit of work as the prime firm.

As we move into the second half of the year, KC's proposal team will double-down on its efforts to win design-build contracts, while the company as a whole will reinforce our promise to the municipalities we currently serve.

Let us remember that it is our steadfast accountability

that makes us valuable. Every decision we make has significant consequences; we will support each other technically and creatively in order to ensure that those consequences are positive and enduring.

As we continue to thrive, so too do our communities. We have the great privilege of being responsible for the long-term improvement of our world.

Do good work.

-RAJ

We stand as a bastion of care, innovation, and foresight.

THE ROAD FORWARD WITH MAYOR ALEXANDER

In 2007, Mayor Matt Alexander took office in the Village of Wappingers Falls, a community relying on failing infrastructure built in the 1930s. Popular sentiment was that large-scale improvements were impossible. We sat down with Mayor Alexander to discuss how his administration, in partnership with KC, was able to rally a community into investing in itself.

I look past the little Village of Wappingers Falls; it's the United States's investments – its highways, water systems, and environment – that need to be continuously looked at and reinvested in, or where do you live? Without that, you're not taking care of your home. I think capital infrastructure investment is a duty of each generation.

"We were gutting our community. It was becoming a place our native constituency was fleeing and we couldn't attract a new one. We had one of the highest transiency rates in Dutchess County. The children of families who had lived here for five or six generations were not picking this place to live.

We were constantly in emergency mode. My administration took office on April 15th and evacuated 50 people from a flooding apartment building – flooding that could have been avoided by a good drainage system. It's hard to deal with the finer points of community-building when you're dealing with that stuff. When I took office, I wanted to work on street lights and beautification, and it turned out that everything underneath the streets was bad and that we needed to work on that first.

The Village of Wappingers Falls had managed to escape the consequences of the three largest economic expansions the United States had ever seen. It didn't take root in the 80s, 90s, or the beginning of the 21st century. As the recession of the past decade took hold, the approach we took was to know that after a downturn comes another expansion – we wanted to be ready. We borrowed money, got grants, and took advantage of cheap labor. Had we not spent the first five years in office pursuing basic fixes, I don't believe the Village would have become a very desirable place to live, and we would have been passed over a fourth time.

I think this administration has been driven by a goal-oriented process. When we first got into office 11 years ago, we decided to an-



nounce that we had several top priorities. We acknowledged the deep-rooted problems in the Village, and limited our attention to those problems. We had no drinking water supply. We had a lake in trouble and infrastructure in need of \$70M of repairs because it was at or near failure. We needed economic revitalization. We worked to prioritize within those broad categories and said, 'let's put the fires out first.' It was a very triage-style method. Then, while we were addressing problems, we sought to do planning.

We needed conservative estimates that would allow us to plan, and KC gave us that. They explained the levels of quality that we

could afford and I think we came up, together, with some of the most innovative solutions to our problems. We've been able to seamlessly follow the plan that we developed with KC. When people drive through the Village now, and if they haven't been here in a while, they sometimes stop in my office to say, "Wow, this place looks great!" I get that a lot more often these days than I did when I first took office. I've really enjoyed working on those plans and then seeing them come to fruition. What was great about KC was that they put themselves so much into the problem of their client that they understood our priorities and opportunities.

Our water treatment system was a very political problem, and it was good to have an engineer that was sensitive to the wants and desires of our community. The only way KC was able to help us with that issue was by having a deep working knowledge of our community.

KC also helped us do our capital infrastructure program. As an elected official and leader in your community, the most important thing that you could do is have a solid understanding of all of your problems, costed-out as near as you can, and have priorities based on that. Your first priority isn't always going to be something you can work on, but you should always be working on item two, three, or four. In order to do that, you need good preliminary engineering estimates and you need to be able to lobby for it all the time so that you're able to have your voice heard at upper levels of government. Those upper levels need to understand what their communities are up against. In order for them to get that understanding, you have to be the spokesperson for your community.

We prioritized simply. We looked

at the number of people affected in our community, the health impact or danger to safety, and the size of the project. We needed drinking water first, so we built a new drinking water treatment facility, and then we focused on the rest of the water distribution system, and then the sewer system, and then we got to the watershed problem. The watershed is the big problem that put us here in the first place.

The Village of Wappingers Falls is taking a leadership position in addressing watershed contaminants. Nobody looks at the watershed with the same perspective as the people who sit at the bottom of it. We are the sink that receives all of the contaminated water and

holds it before it makes it to the Hudson. We're very excited that KC has as broad a group of talented people as they do so that we can take a

look at such a big project. Now that we've worked on most of the things that were causing contaminated water within our own community, the other 99% of the watershed is where we want to look to see if they can reduce the amount of contaminants and sediment they contribute. We're excited to work with a group of people at KC that understands all of the issues that a watershed faces.

We've been waiting for this study for many, many years. We were very excited when we were able, with KC's help, to put in a successful grant application to pursue that study.

It's going to be tough. We're going to have to make partnerships with 13 other communities upstream. We're going to have to work as a team to lobby other levels of government for assistance. It could take decades, but with all the change we've seen happen here in a decade, we're optimistic that change can happen quickly.

• Mayor Alexander's goals have historically focused on major infrastructure revitalization, under the premise that investment is a civic duty.

We're not just looking at the worst offenders upstream, we're also looking at the greatest opportunities upstream, and that's really where we want the focus of our plan to be. Working in an intermunicipal atmosphere with communities who are proactively doing good things for the watershed already, we might be able to point out things that can make them more competitive for grants.

KC was instrumental in helping us get a large amount of funding through EFC. What we would like to do is take our experience with that process and work with other communities upstream to put in suc-

cessful grant applications to work on the entire watershed, not just one community.

The only other time the Village had seen that kind of change was under the Public Works program under Franklin Delano Roosevelt. That infrastructure lasted us a long time, but, by 2007, there were a lot of people who felt we were never going to be able to fix or change the situation. Our success is a big shot in the arm for this entire community because, not only did that myth get dispelled, but it proves that we can do other great things as well.

The only way KC was able to help us [...] was by having a deep working knowledge of our community.

The community needs to have a solid plan of how it can enact the change that it wants to put forth, and what the economic consequences of that are going to be. Our last set of infrastructure lasted us 85 to 100 years. It was a good investment.

When I took office there was a belief here that each street was insurmountable and that we should just keep repairing. That approach worked for the last 50 years, but it had become entirely appropriate to redesign and reinvest in our

community so that not only could the people living here now enjoy it, but also their children and grandchildren as well. The biggest obstacle to making that kind of investment is faith. You're not going to attract funding to your community if you're not willing to put in anything of your own. That's why grants have matching portions. Regardless of the match, you should be willing to invest. Faith and understanding need to be built on good engineering projections and estimates.

The names of Village families are on our water treatment facility from the first time it was built in 1938. In the names of our streets, you can see the names of people who still live here today. I think in a broader sense, all Americans are the recipients of the investments made by previous generations and take it for granted every day. I look past the little Village of Wappingers Falls; it's the United States's investments – its highways, water systems, and environment – that need to be continuously looked at and reinvested in, or where do you live? Without that, you're not taking care of your home. I think capital infrastructure investment is a duty of each generation.

To a great extent at this point, I feel like the legacy of this administration is that we did this

together, that we were able to make positive change, and that we have created a sustainable place to live that has solid infrastructure at its foundation. Very often I have thought about our legacy, especially recently, and I think what we have done may not ever be that well remembered, because so much of it is underground, but I think it put us in a good position to move forward." ϕ

WE SHARE IN WAPPINGERS FALLS'S SUCCESS.



CIVIL ENGINEER
MELINDA KWOK



MARKETING MANAGER
ALYSSA WATKINS



PROJECT ENGINEER
JOHN BOLGER, P.E.

At KC, growth occurs at both institutional and individual levels.

We've fostered the careers of dozens of young professionals, among them, Civil Engineer Melinda Kwok, Marketing Manager Alyssa Watkins, and Project Engineer John Bolger. Coming to KC with modest experience, each have taken on leading roles after demonstrating exemplary attention to detail and high-level engagement with their teams.

This is a common story at KC; as we expand, so do opportunities for advancement.

THE TURNPIKE, BY FOOT.

Twice a year, KC's Circleville branch office takes to Goshen Turnpike to extract roadside rubbish from the tangle of grasses.

The variety of trash was fairly comprehensive. All-stars included plastics designed to survive the trip home from the factory, and then maybe a few thousand more around the sun.

From the blur of 50 miles per hour, you can't make out the shards of glass, the cigarette stubs, the stained jars and cans tossed from the isolation of moving vehicles, in which the garbage and sense of responsibility for it tend to

recede rapidly into the rear-view. Know this: at some point, someone inexplicably, but surely knowingly, shed the entirety of their front bumper and left it in the weeds beyond the pavement, ostensibly forever. Perhaps this was not their first brush with dissolution. Perhaps their car was trying to eat itself, and decided it had bitten off more than it could chew.

You could be forgiven for not realizing we have a litter

problem, but once out of your car, the debris rears its head in an obvious way. Each KC employee filled roughly two bags on behalf of those who chose not to participate in their own cleanup, every stuffed sack symptomatic of a lack of accountability.

We participate in these biannual cleanups because we believe that we are accountable to our neighbors, and that, if we can, we must.

▪ Engineers Jallow and Tamigi pose after volunteering to pick up litter and debris along Goshen Turnpike in Circleville, NY.

In true KC fashion, we concluded our efforts with a long lunch, employees sitting together as friends, sharing a meal. Our grill-master performed admirably, supplying chow cooked-to-taste, and the accoutrements of barbecue, Americana that reminds us why an afternoon spent toiling in the heat for the betterment of our home is a tradition worth upholding. φ

MILESTONES

Ongoing growth at KC means new talent is constantly being integrated into our team. This quarter, we welcome a number of new employees from varied disciplines. We also celebrate major milestones for several KCers. Competitive compensation and engaging work make KC an attractive firm at which to build a long-term career.

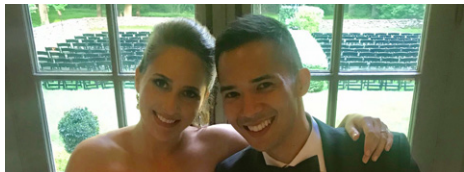


**PROJECT ENGINEER
JULIAN LLORENTE, P.E.**

Julian, who has been with KC for 10 years, says: "Along the way, I've also had the opportunity to develop my managerial skills by working with, guiding, and learning from junior staff. Since I started at KC in 2008 to present day, our company has grown immensely—which is a testament to KC's leadership and the quality of our team." Check out KC's decennial interview with Julian on page 10, which covers the challenge of projects such as the Ulster de-



sign-build. Julian's design work was instrumental in the success of this project (above). A large photo of the bridge appears on the next page. Additional congratulations are in order; Julian was married this spring.



**CONTROLLER
CAROL MAYEWSKI**

Carol managed KC's human resources and accounting groups, and was one of KC's key administrative players. In her five years with KC, she grew her department significantly. We are sad to see her leave the company this quarter, but wish her tremendous success in her new position in the Nyack School District. They are lucky to have her. On Thursday, May 31st, KC celebrated her immense contribution to the health of our company. Our luncheon was a



well-deserved opportunity for colleagues to send Carol off with well wishes. Food comas were had by all.



**PROJECT ENGINEER
JOHN BOLGER, P.E.**

John has been with KC for five years now. Says the structural specialist, "I came to KC a junior engineer and now I help to manage a team that solves problems that require out of the box thinking." John received his Professional Engineering license earlier this year, and now wields his stamp with a great sense of responsibility.

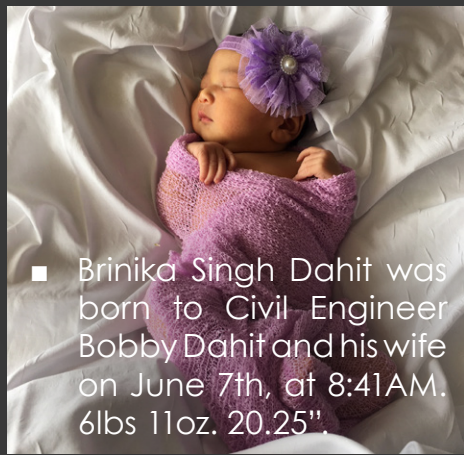


**INSPECTOR
JAYA BARAL, P.E.**

This quarter, KC celebrates Jaya's fifth year. He is a professional engineer experienced in civil and geotechnical practices. Among his notable assignments are significant street reconstruction and water and sewer main replacement contracts involving complex work. Jaya has extensive design experience and possesses versatile talents.



■ Vice President Nancy Clark enjoys a day at the American Heart Association's Tri-County Heart Walk. KC raised over \$6,000.



■ Brinika Singh Dahit was born to Civil Engineer Bobby Dahit and his wife on June 7th, at 8:41AM. 6lbs 11oz. 20.25"



**SURVEY TECHNICIAN
JAMES SCHULZ**

James joined our Circleville office in May. He has degrees in Surveying Technology and Liberal Arts, and brings enthusiasm and knowledge of basic surveying and GIS calculations to our team. James has previously interned as a surveying and engineering assistant. As a new land surveyor, James will learn a great deal at KC this first year.



**SURVEY TECHNICIAN
CHRISTOPHER MORGAN**

Christopher joined KC Poughkeepsie at the beginning of June. Christopher is a graduate Surveying Engineering Technician. His college coursework included Carlson, Subdivision Theory, Photogrammetry, Surveying Practicum, Geodesy, and more. In his position, he will help to support the high demands for KC's surveying expertise.



**CIVIL ENGINEER
DOUGLAS EDWINS**

A graduate of Stevens Institute of Technology, Douglas holds a Master of Engineering. His studies have included finite element analysis, steel and concrete design, earthquake resilience, fluid mechanics, advanced structural analysis, multivariable calculus, and differential equations. KC is excited to add Douglas to our NYC ranks this quarter.



NEW

**HR MANAGER
COLLEEN O'DONOVAN**

Colleen first joined KC Circleville in November of last year as a part-time Project Accountant. A college graduate as of May, she took on full-time responsibilities. She has eight years of varied experience in accounting. Her participation in the accounting and human resources groups has facilitated KC's efforts over the last six months.



NEW

**PROPOSAL COORD.
TANNER TAIT**

Tanner is a recent graduate of Mount Saint Mary College where he studied English and journalism. He joined KC's marketing group in Circleville this quarter and will apply his successful approach to academia to KC's proposal and administrative needs. Tanner has studied investigative reporting. His research acumen will surely aid us well.



NEW

**ACCOUNTANT
STEPHANIE ZIMICKI**

Stephanie joined us in Circleville in June. We look forward to integrating her exceptional work ethic into our team. Her advanced education in accounting and ambitious leadership qualities make her an asset to KC. As part of the accounting group, Stephanie will work to keep KC's financial affairs in order, an increasingly challenging task.



NEW

**ENGINEERING INTERN
ANGELA PAUL**

Angela is a recent Wells College graduate, with a degree in Environmental Science. While at KC Circleville, Angela will earn valuable experience in the craft of practical engineering. Her internship at KC is a prime opportunity for her to network with other professionals and see an alternative to the academic setting.



NEW

**ENGINEERING INTERN
ABDULLAH YOUSEF**

Abdullah has joined our NYC office for this summer. He is a student at Manhattan College where he is studying Civil Engineering. He has begun to learn AutoCAD and MicroStation, and will be adding to his understanding of the principals of engineering while immersed in one of the best hands-on learning environments available.



NEW

**ENGINEERING INTERN
GABRIELLE MEYERSON**

Gabrielle is a student at Clarkson University. This summer, she will assist our Circleville engineering team by supplementing our quality control process. Her review and edits will be taken under advisement by full-time staff. KC internships are an ideal opportunity for engineering students to integrate into a professional workplace environment.



▪ KC was the lead designer on this NYS-DOT design-build bridge replacement. Construction is scheduled to complete in August.



What you get out of this career is related to how much effort and work you put into it. You always want to be improving, no matter where you are in your life or your career.

AN INTERVIEW WITH JULIAN LLORENTE, P.E.

Mr. Llorente got his start at KC. Now a managing engineer, he shares his experience over the last 10 years, reflecting on the attitudes that served him best and lessons learned along the way.

KC: *You've been with KC for a decade this quarter. How have your professional relationships here developed in that time?*

JL: I think they started off well and have grown since. I interviewed with Raj and he must have liked what I had to say. In the last 10 years, Raj has always been open to my questions. Whenever I have something pressing, I know I can get in touch with him for the guidance or direction that I need. He's been clear with me that he's grooming me for greater responsibility.

KC: *Are there any lessons from his style of mentorship that you've adopted, now that you are, in turn, mentor to junior engineers?*

JL: Definitely. If someone asks you a question, you don't just answer it. You guide them to the solution. It's a teaching tool that helps you learn much more effectively.

KC: *Are you working on any projects currently that have required*

you to develop your own creative search for answers?

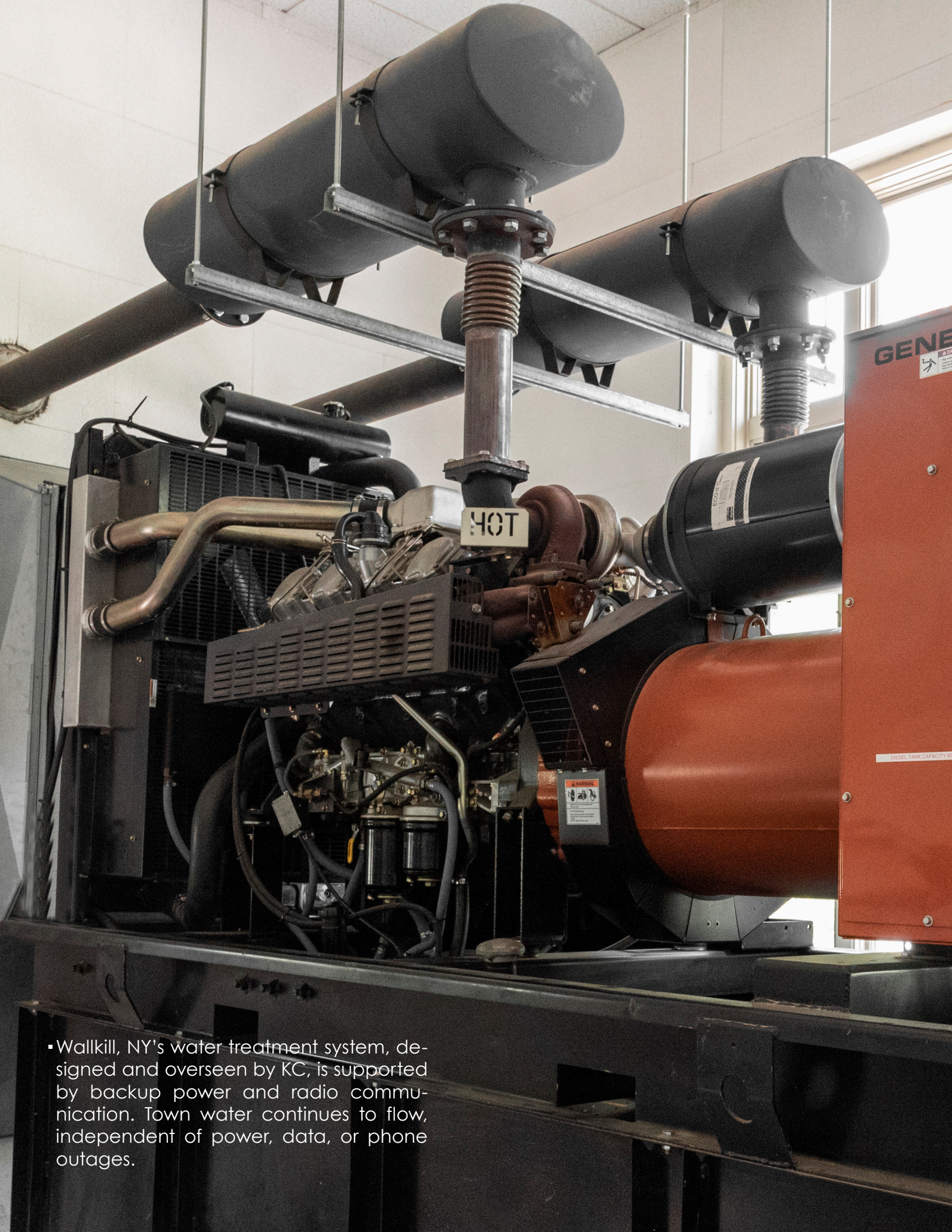
JL: We're involved with the preliminary design for Van Wyck Expressway repairs. We're in charge of utility inventory and relocation on four bridges. We have a bunch of sources of info, and sometimes you get conflicting information, even within the same document. Highlighting these discrepancies is a critical part of the process. I've had conversations with utility companies who are less sure than we are of where their lines are. The record-keeping just isn't always all there, so we have to be vigilant.

KC: *Any thoughts on a favorite project? We're putting you on the spot; you can only pick one.*

JL: I think that's actually an easy answer. It's the Ulster design-build job. It was the most challenging but also the most fulfilling. It was my first experience being the lead designer on a full project. All the coordination and deadlines going on needed strict management. It wasn't easy, but the only way to improve is to face adversity — and that project provided a lot of adversity.

KC: *What would you tell new KC engineers to prepare them for that level of adversity?*

JL: Take initiative. You reap what you sow. What you get out of this career is related to how much effort and work you put into it. You always want to be improving, no matter where you are in your life or your career. There's always an opportunity to learn something new. It doesn't matter who you're working with. I've learned from Raj, and from senior KC engineers like Jamil Yousef and Steve Liao, but I've also learned from my juniors. Sometimes they have a new approach. It doesn't matter that they have less experience. You can learn something from everyone, and I think that attitude — being open to new things and working to improve — is what new engineers should focus on. Φ



• Wallkill, NY's water treatment system, designed and overseen by KC, is supported by backup power and radio communication. Town water continues to flow, independent of power, data, or phone outages.

BIRDS, PLANES, & POWER LINES

Last winter, many schools and businesses in the Lower Hudson Valley, where two of KC's offices are located, closed preemptively under threat of snow that never came. Despite general weather-wariness but you were hard-pressed on the morning of Tuesday, the 15th of May, to find evidence of the tornado soon to pull through the region.

Many residents of Orange County, NY were woefully unprepared. More concerning perhaps, were the durations of the power-outages in the days that followed, with tens of thousands still without, even 48 hours later. Fallen trees had incapacitated more than traffic; they had torn down enough suspended power lines to do lasting damage to the power grid.

Of course, in lower New York, where extreme wind is fairly uncommon, the need for

more robust electric utility infrastructure is less apparent. Other parts of the US are less fortunate. In the face of the incredible repair and opportunity costs relating to this kind of destruction, many constituents ask why electric utilities aren't buried, where they would be protected from falling debris.

KC has experience pursuing hardening grants and developing resilient infrastructure. Generally speaking, for a municipality to undertake a major overhaul of a utility, there needs to be sufficient public demand, even in the face of potentially increased costs. Those costs are not always apparent.

According to a 2009 assessment by Edison Electric Institute, titled "Out of Sight, Out of Mind," converting overhead power to underground power averages a rate of roughly \$750K per mile, but can

exceed \$2M over the same distance. The development of new underground power lines along brand new utility paths isn't much more affordable, with costs averaging \$500K per mile, whereas new overhead power can be produced at roughly a third of the cost.

To boot, the disappointing reality is that underground power is more susceptible to flood damage, and can still be disabled by lightning. Rather than a dramatic and exciting solution, we should consider the value of properly maintaining and protecting our above-ground power: with careful vegetation management, hardening at vulnerable points, and investing in power grid diagnostic software that can help to identify outages and reroute power quickly, while technicians move in to repair. ϕ

BEFORE AN ENGINEER'S CAREER

Entering college? Consider this: your long and lustrous career as a problem-solver could be highly influenced by the decisions you make in these nascent stages.

Most successful candidates at KC started planning their careers well before finishing their degree. Opportunities and possibilities begin to diminish rapidly after school. At KC, we look for professionals with a record of ambition and academic success. What does that record look like?

In part, it's a demonstrated plan for growth. Our employees are keen to learn, and their out-of-the-box approach to creating functional and elegant designs is mirrored by their non-conventional tactics for networking and self-educating.

Step 1: Write It Down.

Make a promise to yourself about where you'll be in four years, and commit from day one. Know that effort is different from directed effort. Take a thousand small steps in one focused direction. Discover the

engineering discipline about which you are most passionate and dedicate yourself to becoming the most innovative of your peers.

Step 2: Speak to Your Advisor.

You are surrounded by professional engineers. Engineering professors are career scientists, and their success can be of use to you. It is in your school's interest to see you succeed, so take advantage of their wisdom. Ask specific questions.

Step 3: Decide Where You Will Work.

Adopt the confidence of someone who has already been hired. Know that the only barrier to entry is your history of commitment, and your desire to land the job. Like jobs in other fields, engineering careers come to those

who reach out early and often to potential employers and industry organizations in order to make themselves a known entity. Remember that you have to be in the arena to win, and that personal familiarity is the number one factor in hiring decisions that goes overlooked by engineers.

KC is always looking out for the best and brightest. We provide a stimulating, stable, and rewarding work environment where we attract, retain, and develop our employees as leaders. If you're looking for a challenging and rewarding career in engineering or land surveying, please contact us. ☎

FAQ

How long has KC been around? KC was founded in 1983, but with the acquisition of Eustance and Horowitz, P.C., our oldest experience dates back to the 1950s!

What is civil engineering?

Civil engineering is a broad discipline encompassing the design and construction oversight of the built environment, which includes highways and bridges, water and sewer systems, railways, and more. Civil engineering generally occurs in support of infrastructure, and is comprised of sub-disciplines including structural, geotechnical, water and wastewater, environmental, transportation, and more. It is distinct from engineering disciplines focused on the development of goods.

What is a professional engineer? A P.E. is an engineer who has passed the challenging state licensure exams. P.E.s can stamp design documents, regardless of discipline, but have a moral duty to affirm only the plans they are qualified to affirm. A person may be an engineer by title without having their P.E. license, but they are generally required to work under the supervision of a P.E.

How long does it take to become an engineer? A student can become an engineer in as little time as it takes to earn a bachelor's degree, which is often a four-year process. A master's degree can advance earning opportunity at the addition of another one to three years. To become

a P.E., one must work under an existing P.E. for four years, which begs the question: which came first, the P.E. or the junior engineer?

When will I need to hire a civil engineering firm? If you're purchasing or developing property, you're likely to call an engineering and land surveying firm in order to establish property bounds and get an understanding of the factors contributing to structural soundness, including site grade and soil quality. Most private citizens will not work directly with a civil engineer in their lifetimes, but businesses, local municipalities, and state and federal agencies are in constant communication with engineers in order to create and maintain our

communities. Every public road requires an engineer's careful designs in order to guarantee a long life for the pavement and maximum return on public investment.

What does a civil engineer earn? In addition to a salary commonly averaging between \$65K/yr and \$100K/yr, civil engineers are often paid in comprehensive benefits, company profit sharing, year-end bonuses, and paid time off. KC offers all of these.

In what sectors do civil engineers work? Civil engineers tend to develop careers in government, education, consulting, commercial industry, and construction administration.

Why should I work at KC? KC is the leading mid-sized engineering and land surveying firm in the mid-Hudson Valley and NY Metro area. We consult for major national and global firms on multi-billion dollar projects. Our employees have myriad opportunity to grow their skills and advance their careers. KC provides a stimulating, stable, and rewarding work environment. KC attracts, retains, and develops its employees as leaders in the business of providing professional services to our clients. If you're looking for a challenging and rewarding career in engineering or surveying, please contact us. ☐

- 6** **New contracts awarded during Q2 2018**
KC continually wins new jobs, thanks to our qualifications and our leadership.
- 60+** **Years as the Town Engineer for the Town of Wallkill**
We have served Wallkill for over six decades, beginning with Eustance and Horowitz, P.C., which was later acquired by KC.
- 66** **Proposals submitted**
KC's project managers, in tandem with the marketing group, produce a steady stream of new proposals, keeping KC at the forefront of the industry.
- 105** **KC employees**
KC's staff is composed of engineers from many disciplines, inspectors, land surveyors, and administrative staff.
- 4** **KC offices**
KC is located in New York, NY; Circleville, NY; Poughkeepsie, NY; and Denville, NJ.
- 235** **Milestones completed in Q1 2018**
Project milestones, sometimes called "tasks," define key developments. KC works to complete all projects on or ahead of schedule.
- 8** **Career positions currently listed on KC's website**
There are plenty of opportunities to join KC, and new ones are always being added. Visit our website's career page at www.kcepc.com/careers to find out more.

▪ The gymnasium at Circleville Park was designed by KC. This modular building provides a safe place for Wallkill's children to play.



PROJECT HIGHLIGHTS

KC takes pride in being the leading mid-sized consulting engineering firm in the lower Hudson Valley and New York Metro area. This distinction is a direct result of our multi-disciplinary approach. What's currently on our desks? Read on.



▪ Work with Village of Wappingers Falls on complete streets continues as we move into the fourth contract.

KC's work log this quarter included dozens of unique projects, handled by teams of staff carefully grouped to take advantage of their unique individual skills. Examples follow.

NEW AWARD: NYSDOT L031472-011 Operational Improvements, LIE (NY495)/Sagtikos Parkway Interchange at Crooked Hill: We are excited to be partnering with Stantec. This project is an opportunity to dramatically improve the efficiency of the LIE/Sagtikos interchange at Crooked Hill. KC has been asked to provide survey of the project site. Due to our extensive experience with Region 10 roads, bridges, and highways, our survey group is in high demand for projects such as these. We are happy to be providing a high level of professionalism and expertise on this complex project.

NEW AWARD: NYCDOT Surveying Service for SIM: KC's contract with NYCDOT was renewed this quarter, allowing us to continue serving the people of New York City on projects relating to pedestrian traffic quality. Previously, we provided surveying services for new concrete construction projects throughout the city, called Street Improvement Projects (SIPs), involving curb, sidewalk, traffic medians, and roadways as designed by the NYCDOT Sidewalks Inspection and Management (SIM). KC provided the layouts for SIPs, including distances, grades, profiles, and measurements as per design drawing.

Sidewalks and crosswalks in NYC are an integral part of transportation, providing safe spaces for foot traffic for more than 8 million residents and millions more commuters in every corner of the 5 boroughs. Because KC be-



▪ Project Engineer John Bolger, P.E. reviews plans before a meeting with the DEC. Care must be taken with the wetlands present at the Panattoni site, where an old mining ground is being developed into warehouse space.

lieves in measuring twice and cutting once, we will provide excellent baseline data for the development of NYC's safe, functional, and beautiful pedestrian spaces.

NEW AWARD: NYSDOT D037741 Construction Inspection Services for I-84 ITS: The DOT is installing Intelligent Transportation System (ITS) equipment on I-84 between Route 17 and I-684. Near and dear to our hearts and homes, this project calls for major upgrades to motorist communications (digital signs, radio alerts, surveillance, etc.), and is part of a larger Hudson Valley deployment plan for such technology. Better communication with motorists will improve roadway safety and reduce traffic. KC is part of the team that will perform construction oversight and inspection, ensuring installation of this equipment is done safely and to specification.

NYSDOT D900040 Region 11 Bruckner Viaduct Deck Replacements: KC began this design-build in April as a subconsultant. Our inspection tasks include field verifications of concrete substructure and steel superstructure defects, including location verification and inventory of dimensions and extents of deterioration. We also prepared RFC drawings for all the concrete substructure repairs

(elevation views, section views of abutments and piers, and repair details) and steel superstructure repairs.

NEW AWARD: NYSDOT RDSA D031472: Bridge Rehab., Final Design Phases V+VI for Robert Moses Causeway over Fire Island Inlet: KC is eager to provide the best bridge repair services possible on this project that aims to comply with long-term maintenance requirements for the causeway. The causeway is the only connecting link from the mainland to Fire Island; there is no detour. The causeway will endure if and only if the firms assigned to oversee its maintenance are highly vigilant. KC will set the bar.

NEW AWARD: NYSDOT D037759: Construction Inspection, Maintenance by Contract Bridge: This project calls for field inspections of maintenance occurring on 5 bridges in the lower Hudson Valley. Work includes steel repairs and painting and bearing replacements, as well as concrete repair to abutments, piers, pier caps, and the deck itself. Bridge maintenance is integral to regional transit safety, but it also has impacts on economic development. KC is pleased to be supplying inspectors to ensure construction is done to specification, resulting in a high return on public investment. ☐