

An aerial photograph of Austin, Texas, showing a mix of urban skyscrapers and lush green parks. In the foreground, there's a large green park with a swimming pool and lounge chairs. To the left, a river flows with a dock and several boats. The sky is filled with dramatic, colorful clouds from a sunset or sunrise. A large blue semi-transparent box is overlaid on the left side of the image, containing the report's title and company name.

SAMSUNG
AUSTIN SEMICONDUCTOR

Environmental, Health & Safety Report

2022

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The Environmental, Health and Safety report is part of Samsung Austin Semiconductor's series of reports for Corporate Social Responsibility.

Foreword from Director

At Samsung Austin Semiconductor, Environmental, Health and Safety (EHS) is the first and foremost principle of management. This principle combined with our relentless pursuit of continuous improvement sets our manufacturing facilities on a path for success. As a company, we work to empower our people and inspire their commitment to the value of our Environmental, Health and Safety objectives. Employees, contractors and vendors actively support doing more to reduce our impact, solve complex challenges and better serve the communities in which we live and work.

We have a clear record of accomplishment at Samsung Austin Semiconductor for finding solutions that translate into positive results. To name a few such accomplishments, our Journey to Zero program elements have driven record performance in the area of safety and helped reduce the amount of waste sent to landfills. In 2020, the Austin site achieved the UL Gold Level Zero Waste to Landfill certification for these efforts and continues to sustain the achievement.

With the work of dedicated teams across the business, we define success as continual improvement. Samsung Austin Semiconductor has sourced 100% renewable energy since 2017 with the help of the Facilities Electrical team. For 11 years in a row, Samsung Austin Semiconductor is the recipient of the Austin Water Excellence in Pretreatment Award, led by efforts and innovation from the Facilities Operations and Maintenance (FOM) team). In 2022, our Fab Engineering teams increased output by more than 10% while continuing to meet water, waste and air targets. The EHS team also received the Texas Environmental Excellence Award for Technology Innovation from the Texas Commission on Environmental Quality (TCEQ) for our Copper Ion Exchange program.

While we celebrate these successes, Samsung Electronics and Samsung Austin Semiconductor are focused on the future. Commitments to the areas of EHS include a new global environmental strategy.

- At the heart of this new commitment is aiming for net zero Scope 1 and Scope 2 carbon emissions for all operations by 2050. To propel these efforts, the company plans to develop new technologies to significantly reduce greenhouse gases—a byproduct of manufacturing—and install greenhouse gas treatment facilities on its semiconductor manufacturing lines by 2030.

- We commit to maximizing water reuse by improving our water treatment facilities and optimizing our consumption. Water restoration projects, including water quality improvement and stream restoration, will lead us to minimizing the increase of water withdrawals by 2030.
- We aim to apply new technologies with the potential to further improve air and water emissions and ensure that air and water resources used during our manufacturing processes are returned to 'natural state levels' from 2040 onward.
- Finally, Samsung Austin Semiconductor plans to obtain a platinum-level Zero Waste to Landfill Certification issued by global safety certification organization Underwriters Laboratories (UL) for all global operations by 2025.

The future of Samsung Austin Semiconductor is sustainable and becomes more of a reality every day due to the commitment and vigilance of our employees, contractors and vendors. Our people love and care about this community and it shows in their work every single day.

Thank you for taking the time to learn more about our commitments –and results –in this report.



David Ellingsworth
DIRECTOR OF ENVIRONMENTAL,
HEALTH & SAFETY

Mission and Compliance



Environmental, Health & Safety Mission

At Samsung Austin Semiconductor, Environmental, Health and Safety (EHS) is the first and foremost principle of management. Our mission is to protect our people, community and environment by instilling a zero harm EHS culture.

We know that to do this, we must take our large goals and projects, and chip them into small successes across our site. Every year, our leadership team collaborates as a group to discuss previous performance and vision for the coming years. Individual objectives and targets are developed based off the strategic goals identified below:

1. Build EHS by continuing to onboard, retain and develop talent;
2. Continue to refine our established Compliance Assurance Program;
3. Ensure applicable, current and periodic EHS training for all employees onsite;
4. Continue to reduce the environmental impact of site operations;
5. Reduce existing hazards and threats by identifying and implementing sustainable solutions;
6. Develop strategic roadmaps for key initiatives and stay current with latest administrative and engineering advancements in EHS fields.

By leaning into our people and working together, we know we will achieve our mission.



Compliance

Samsung Austin Semiconductor strives to be a leader in Environmental, Health and Safety as well as energy initiatives by implementing global best practices, ensuring compliance, continually improving, and engaging workers to achieve our objectives and targets.

We adhere to the following international standards:

- **ISO 14001**
Environmental Management Systems
- **ISO 45001**
Occupational Health and Safety Management Systems
- **ISO 50001**
Energy Management Systems

We have a rigorous auditing process that includes three types of audits: self-auditing, audits through our international headquarters, and external third party audits. By conducting multiple audits on an annual basis, we maintain our certifications for all three of our International Organization for Standardization (ISO) programs and ensure that adequate controls are in place to reach our goals.



Compliance

Both the ISO 14001 and ISO 45001 systems consist of organizational elements, policies, processes, and procedures used to ensure Samsung Austin Semiconductor achievement of specific EHS objectives and targets established to improve our EHS programs and protect workers. The core element of all the Samsung Austin Semiconductor EHS management systems is the Plan – Do – Check – Act principle of continual improvement. We established our CARES program to educate our employees on standard requirements and commitment to our EHS goals.



CARES

Continual improvement

Always comply with regulations and internal policies

Reduce pollution and hazards

Execute SAS objectives and targets

Share information with employees and contractors

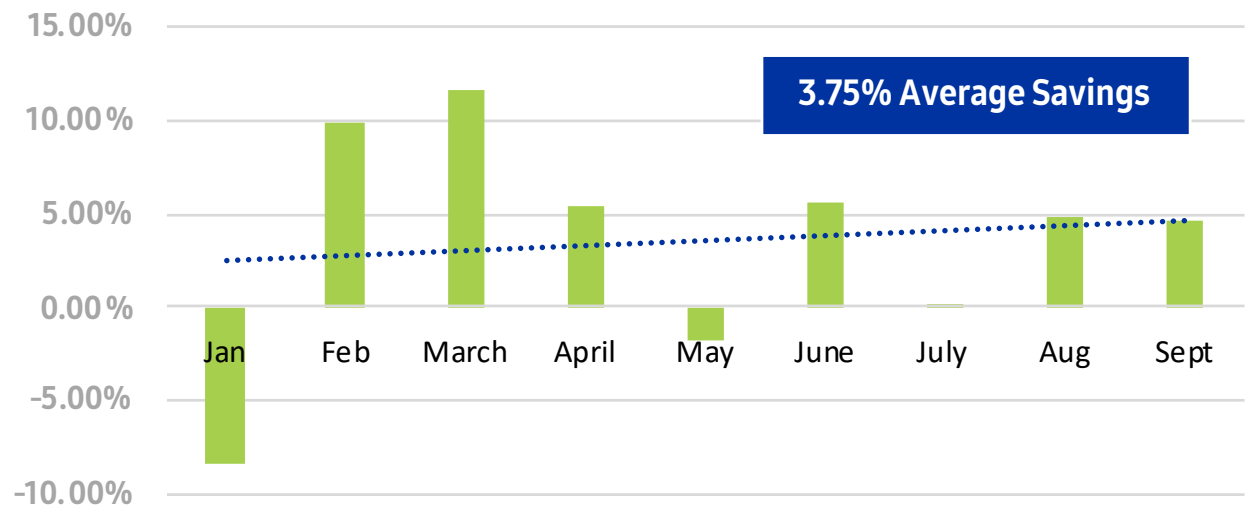
Compliance

ISO 50001 is an international standard intended to provide a recognized framework for integrating energy performance practices to reduce cost and decrease utility usage.

This standard underscores the Samsung Austin Semiconductor commitment to protecting natural resources through the optimization of our energy management practices. It enables us to follow a systematic approach in achieving continual improvement of energy performance, and helps us stand apart from competitors.

We also established an employee education program, SAVES, to inform on ISO standard requirements and our commitment to established energy goals.

2022 PERCENTAGE ENERGY SAVINGS



SAVES

- S**et objectives, targets, and action plans
- A**chieve quantifiable results and meaningful communications
- V**alue energy efficiency
- E**ducate interested parties and ourselves on global best practices
- S**ustain our Energy Management System while seeking innovative methods and sources

Journey to zero

Establishing Clear EHS Standards

Journey to Zero is our vision to achieve zero safety incidents and zero environmental impact. This vision encompasses our commitment to our employees, our customers and to our communities. Turning our commitment into practice is at the heart of Journey to Zero and ensures that employee engagement and environmental wellbeing are at the forefront of the company's culture to prioritize EHS.

**We acknowledge
the journey, accept
the challenge,
and make no
compromises in its
execution.**



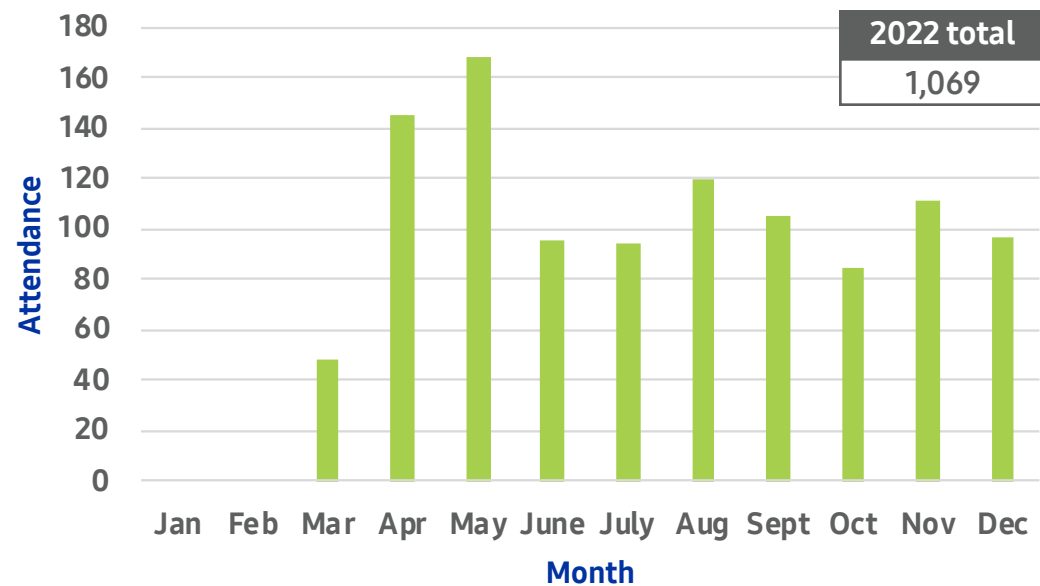
Level-Up Training

A large part of our Journey to Zero includes safety leadership, or Level Up Training that is available to all personnel on-site. Our Level Up Training program was established to help all personnel develop EHS leadership skills to apply in their day-to-day actions. In 2022, we formulated the program to be engaging and to build on the safety experiences of our people. This includes sections for our attendees to share lessons learned from personal anecdotes, a reflective diagnostic to understand each person's communication style, and activities that promote active listening.

In 2022, 1,069 personnel attended 82 Journey to Zero courses, resulting in 328 hours of instructor-led training. In the upcoming year, we commit to training all 4,500 employees to help us reach our goals of zero safety incidents and zero environmental impact.



2022 JTZ LEVEL UP ATTENDANCE



Safe Driving Challenge

START COURSE



In addition to our Safety Leadership Training, we have numerous EHS-based trainings offered in three different formats:

1. **e-Learning**
2. **Instructor-led**
3. **Field-based**

We offer more than 100 courses across the three formats assigned to employees based on their roles and day-to-day functional requirements. Across 2022, nearly 30,000 various EHS-related trainings were completed. With our programs and training offerings, Samsung Austin Semiconductor develops and leads best in class EHS initiatives to prevent harm, protect the environment, and promote well-being.

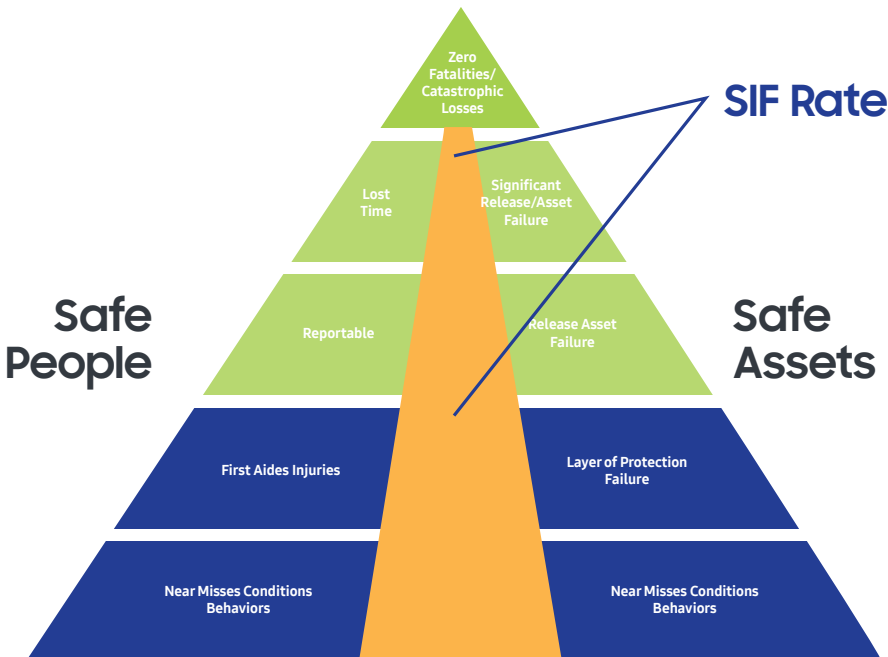
100+
COURSES
AVAILABLE

ACROSS 2022, NEARLY
30,000+
VARIOUS EHS-RELATED
TRAININGS WERE
COMPLETED

8 Life Saving Rules

8 Life Saving Rules for all Preventable Incidents

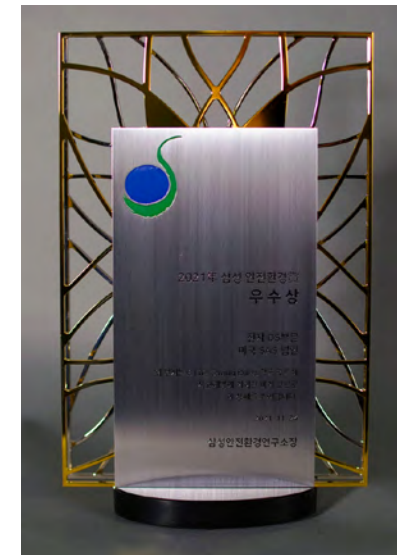
 Control all energy sources with lockout tagout	 Use approved fall protection when working at heights	 Control entry to Confined Space	 Control all Hot Work
 Adhere to all line breaking and chemical handling precautions	 Maintain 10-6 clearance from AMHS	 Only qualified personnel complete energized electrical work	 Use barricades to control risk



The implementation of the 8 Life Saving Rules at Samsung Austin Semiconductor is an important component to avoiding Serious Injury and Fatality (SIF) incidents. These rules identify areas that present the highest risk work conducted Samsung Austin Semiconductor with potential for a serious or fatal injury if controls are absent, ineffective, or compliance safeguards are not followed. We set clear and frequent expectations for the absolute adherence to our 8 Life Saving Rules at Samsung Austin Semiconductor for the safety and well-being of the entire workforce.

In 2022, Samsung Austin Semiconductor was awarded the EHS Excellence Award by Samsung Electronics Headquarters in the EHS Overseas Division honoring us for the creation of the 8 Life Saving Rules campaign. The 8 Life Saving Rules provide incident prevention tactics for high risk work including guidance that:

1. All incidents are preventable.
2. Life Saving Rules is our first step to control Serious Injury and Fatality (SIF) incident potential.
3. These tasks present the highest risk work conducted at SAS.



EHS Excellence Award from Samsung Electronics' EHS Overseas Division.

Sequential Safety Meetings

The Sequential Safety Meeting (SSM) is the principle vehicle used in planning, measuring, reviewing, and managing Journey to Zero. Sequential Safety Meetings are conducted to:

- Ensure management of the Journey to Zero at all levels.
- Achieve involvement and engagement of all personnel across all locations.
- Provide a venue for two-way communication of issues and concerns.
- Analyze process data and plan future prevention activities.
- Increase safety awareness, hazard recognition and acceptance of personal accountability

The Sequential Safety Meeting system starts with the Team/Unit Part Safety Meeting chaired by First-Line Supervision. Information is carried from this meeting through the Department Safety Meetings and culminates at the SAS Leadership Team Safety Meeting



Leading Safety Metric Program



The purpose of the Leading Safety Metric (LSM) program is to encourage employee engagement in Samsung Austin Semiconductor safety programs, in turn improving our safety culture and reducing risk. The LSM initiative focuses on taking action. It is founded on the belief that engaged employees work more safely. Points are issued for various EHS-related actions and projects completed by Samsung Austin Semiconductor employees. In addition to safety, LSM also incorporates environmental and industrial health actions. LSM awards are presented to top participants and departments on a quarterly basis; winners earn the prestigious LSM Champions Belt.

We refine our LSM program each year to respond to our continuously evolving EHS culture. In 2022, the LSM action target for each department increased to encourage personnel to remain active participants in site-wide EHS activities. In 2022, more than 3,970 projects were completed, accounting for more than 26% of all LSM points awarded. The top 10 projects received recognition from company leadership. These projects ranged from administrative to engineering controls, and furthered our EHS initiatives by reducing energy usage, improving reliability, ergonomics and more.

Site Safety Resource Team



We established the Site Safety Resource Team (SSRT) to maintain daily dialogue on safety topics of concern. Consisting of Safety Field Technicians walks and meetings held daily, the purpose of the SSRT is to motivate, educate, and support work in the field with the vision of a proactive and self-sufficient culture.

The SSRT Team brings oversight to the work that is being performed by contractors and vendors onsite along with the Samsung employees. Site-based observations are performed daily and reported to site leadership at the end of each day.



Contractors and Vendors

Samsung Austin Semiconductor relies on strong partnerships with a group of contractors and vendors. We evaluate contractors and vendors through third-party review that ensures we are partnering with the best companies in their business:

- **Safety Performance** - Incidents can affect both human lives and business potential.
- **Financial Reliability** - Defaults can send us looking for new partners at the last minute.
- **Quality Assurance** - Quality issues create expensive rework that multiplies our exposure to risk.
- **Sustainability** - Considerations with sustainable business practices not only affect our future; they can also bring projects to a halt.

By using a third party and assessing against these criteria, we can weigh a set of interdependent risks that will ultimately determine if our projects and mission succeed or fail.

Once selected, contractors and vendors attend mandatory weekly and monthly safety meetings where performance highlights from the previous month are discussed and attendees are able to promote their thoughts and idea to improve contractor safety.



Site Engagement



LSM Award Winners

SAMSUNG
AUSTIN SEMICONDUCTOR

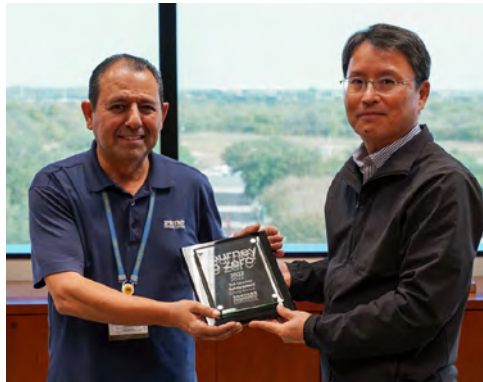


Contractor and Vendor Safety Award Winners



Every year, Samsung Austin Semiconductor holds quarterly and annual contractor and vendor safety awards. These awards are given to the contractors and vendors that not only meet, but exceed, the Samsung Austin Semiconductor safety standards that make us a world class foundry.

Contractor and Vendor Quarterly Safety Award Winners



Safety Expo

Samsung Austin Semiconductor takes pride in our vendors. Every fall we host our annual Safety Expo. The purpose of this event is to promote safety, communicate who our vendors are to our employees, and expose our personnel to various available personal protective equipment (PPE).

This fall, we had approximately 20 vendors participate in the Safety Expo and gave out more than 3,000 safety bags to our workforce. In addition to giving personnel a chance to learn from our vendors, we hosted a raffle that gave participants a chance to win prizes such as personal protective equipment, tool kits and reusable water bottles so they can take safety home.



Site Safety Week



Every spring, we host our annual Site Safety Week for on-site personnel. Sessions focused on specific safety topics are held four times per day for one work week to expose personnel to safety topics that can be incorporated into their daily work. This spring, we had more than 2,430 attendees that participated in events based on our 8 Life Saving Rules.

2,430+

ATTENDEES PARTICIPATED IN EVENTS
BASED ON OUR 8 LIFE SAVING RULES

8 Life Saving Rules

Employee Health and Wellness

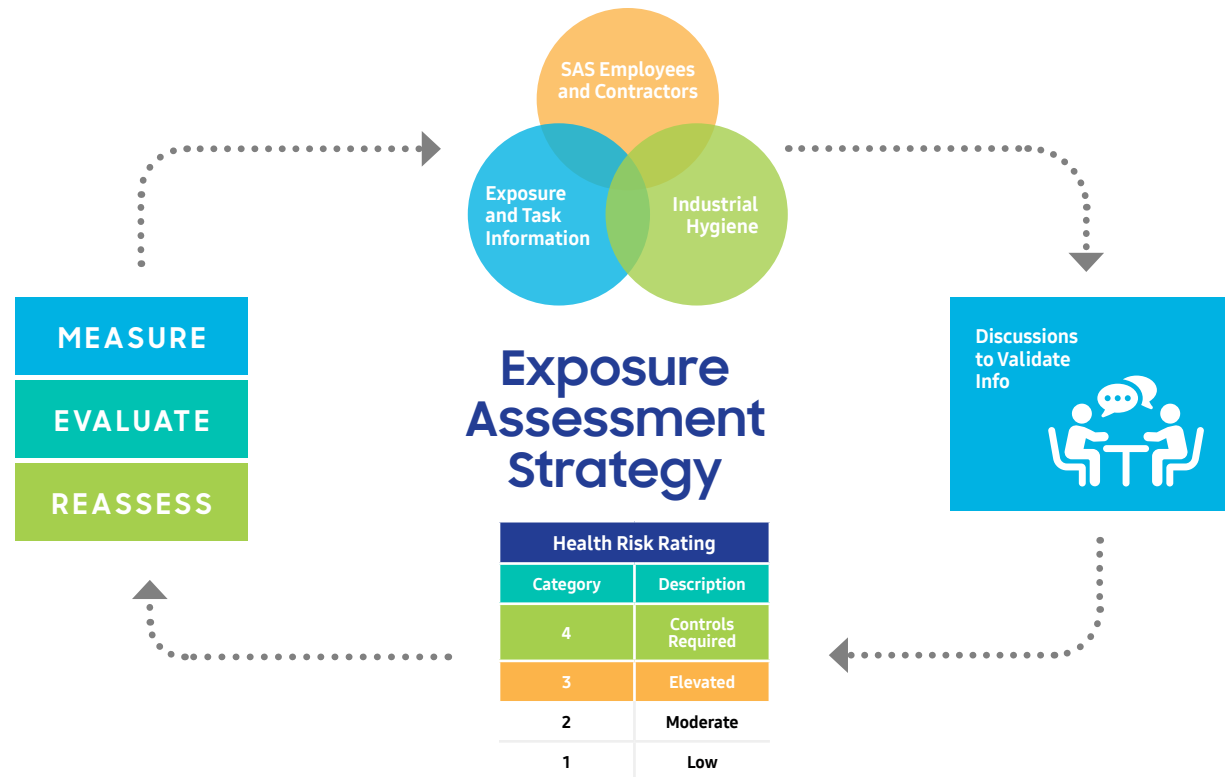


Qualitative Exposure Assessment Program

We recognize that our employees are our number one asset. We are committed to world-class occupational health and safety programming. One of the ways we uphold this commitment is through implementation of a comprehensive chemical assessment program.

In 2022, the Health & Safety team updated our Qualitative Exposure Assessment (QEA) program. For the updated program, they conducted on-site interviews with representatives from each Unit Part following best practices established by leading occupational health organizations like the American Industrial Hygiene Association (AIHA). The assessment helped inform a strategy for sampling and prioritizing exposure monitoring processes. This included identifying a list of key tasks and established a formalized Health Risk Rating for different functional roles.

The QEA program allows the Health & Safety team to comprehensively understand potential risks and prioritize control measures to best protect worker safety and health.



Industrial Hygiene Noise Assessment

Managing industrial noise is a large aspect of our commitment to providing a safe and healthy workplace for our personnel and surrounding community. We are committed to complying with all relevant regulations and standards related to noise exposure, including the Occupational Safety and Health Administration (OSHA) noise exposure standard.

We take a proactive approach to noise management by regularly conducting exposure assessments and implementing appropriate control measures to reduce noise exposure. Our noise management program includes the Hierarchy of Controls, elimination, substitution, engineering controls, administrative controls and Personal Protective Equipment (PPE) such as earplugs or earmuffs. We provide training to all employees on the risks associated with noise exposure, and the proper use of control measures and PPE. Our training program includes information on the types of noise hazards found in the workplace, the symptoms of noise-induced hearing loss, and the steps employees can take to protect themselves from noise exposure. Additionally, our noise management program includes regularly auditing and reviewing processes to monitor the effectiveness of our control measures, identify opportunities for improvement, and ensure that it remains effective and up-to-date with the latest industry standards and best practices.



We are committed to promoting a safe and healthy workplace for all employees. One of the key ways we do this is through ergonomics. We believe that ergonomic design and engineering can significantly reduce the risk of work-related injuries and illnesses, as well as improve overall employee productivity and well-being via efficiency improvements and stretch programs.

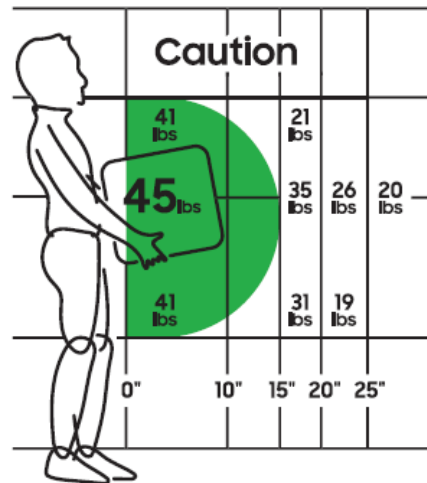
Our Ergonauts team, assembled from our workforce, provides ergonomic support to the site. In-house training is offered to instruct employees on how to conduct ergonomics assessments and improve work environments. Interested employees can work through a progressive series of training in three different functional skill sets -- observation, evaluation and mitigation. After receiving training, the average employee will have the tools and ability to conduct observations and provide improvement recommendations.

Our ergonomics program has developed its own design standards based on site personnel anthropometrics to align with national agencies and compliance organizations such as OSHA, the National Institute for Occupational Safety and Health (NIOSH), the American National Standards Institute (ANSI), and more. Furthermore, we conduct regular audits and reviews to ensure that our facilities and equipment meet these standards, and that our employees are protected from ergonomic hazards. We believe that by promoting ergonomic design and engineering, we are not only protecting our employees but also enhancing their overall quality of life.

Ergonauts

Observe | Evaluate | Mitigate

Safe Lifting Guide



On-Site Health Clinic

We believe that the health and well-being of our employees is paramount to our success. That is why we provide access to on-site occupational health clinics, which are available to our employees, vendors and contractors. Clinics are staffed by licensed medical professionals who are experienced in treating work and non-work related injuries and illnesses. Our goal is to provide prompt and efficient medical care to our employees by providing a wide range of medical services including injury care, preventive care, and health screenings. Additionally, our medical professionals work closely with our Health & Safety teams to identify and mitigate potential workplace hazards, ensuring a safe and healthy work environment for all employees.



**INJURY
CARE**



**PREVENTATIVE
CARE**



**HEALTH
SCREENINGS**

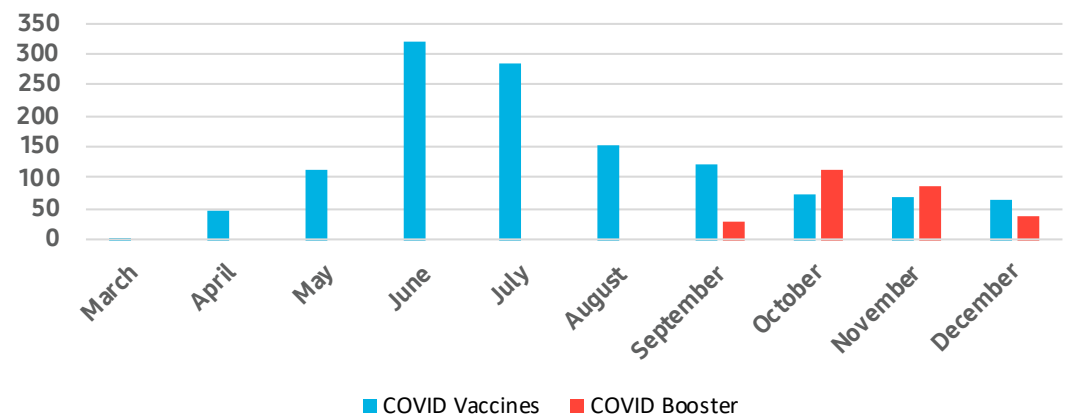
On-Site Health Clinic

There are three Health Services Clinics across our locations that support evaluation, treatment and referral services for work and non-work related health concerns. We are proud to be able to take care of our people when they need it!

In addition to injuries and illnesses, our clinic administers work-related medical surveillance programs. This proactive medical monitoring is offered to employees in certain job functions and ensures exposure control and prevention strategies are effective. We saw an average of 45 medical surveillance encounters per month in 2022.

As a part of our COVID-19 response plan, we began offering COVID-19 vaccines and boosters on-site as soon as we were permitted to do so. We began offering the first two doses of the COVID-19 vaccine in March of 2022 and administered an average of 124 of these vaccines per month. We were able to begin offering the booster vaccine in September of 2022 and administered an average of 67 COVID-19 booster vaccines per month. These vaccines are still available to our personnel today via walk-in visits and sign ups.

2022 CLINIC VISITS FOR COVID VACCINATIONS



On-Site Fitness Centers

Two fitness centers are located on-site as part of our amenities package for employees through our Benefits team. Our Fitness Center team is run by five health and fitness specialists that host group classes, provide personalized training, and monitor both fitness centers that house various cardio and weight training equipment. Additionally, we have a soccer field, one full-sized basketball court, one half-court basketball court, a tennis court, an outdoor walking trail and disc golf course. In 2022 alone, our fitness centers saw more than 35,000 visits, 12,000 program participants, and 1,300 coaching consultations.



35,000+

FITNESS CENTER VISITS IN 2022 ALONE

On-Site Fitness Centers

Our Fitness Center team plays an active role in employees' health and wellness by running the 'Take 5 To Revive' health initiative. Every quarter in 2022, employees were encouraged to form accountability teams that would aim to meet and stretch for five minutes at various times throughout the week. The intent of the initiative was to make employees more cognizant of how they felt throughout the day to prevent injuries from strain and reduce stress.



An average of
2,208
participants
take part in the
Take 5 To Revive stretching
program every quarter



More than
95%
of employees
reported that they were
**taking more time during
the workday** to get up and
stretch after participating in
the program



More than
91%
of employees reported
**seeing an improvement
in workstation comfort
level** after participating in
the program



2022 FITNESS CENTER UTILIZATION | ENGAGEMENTS | MEMBER PROGRAMS

Utilization	2022
Total Visits	35,000+
Member Orientations Coach Consultations Fitness Assessments	1,371
Personal Training Sessions	306
Personalized / Challenge Participants	83
Program / Challenge Participants	12,173
Group Exercise Classes	2,263

*With limited capacity and a mask mandate, group exercise classes started on 04/04/2022
 *Mask Mandate lifted 09/05/2022
 *Q3 2022: 1089 | Q4 2022: 1174 =2263
 *Q1 2023: 1309

The background image shows an electric vehicle charging station in a parking lot. A charging cable is plugged into a station in the foreground, and several cars are parked in the background. The entire image is overlaid with a semi-transparent blue filter. A white vertical bar is on the left side of the page.

Environmental and Sustainability Goals and Results

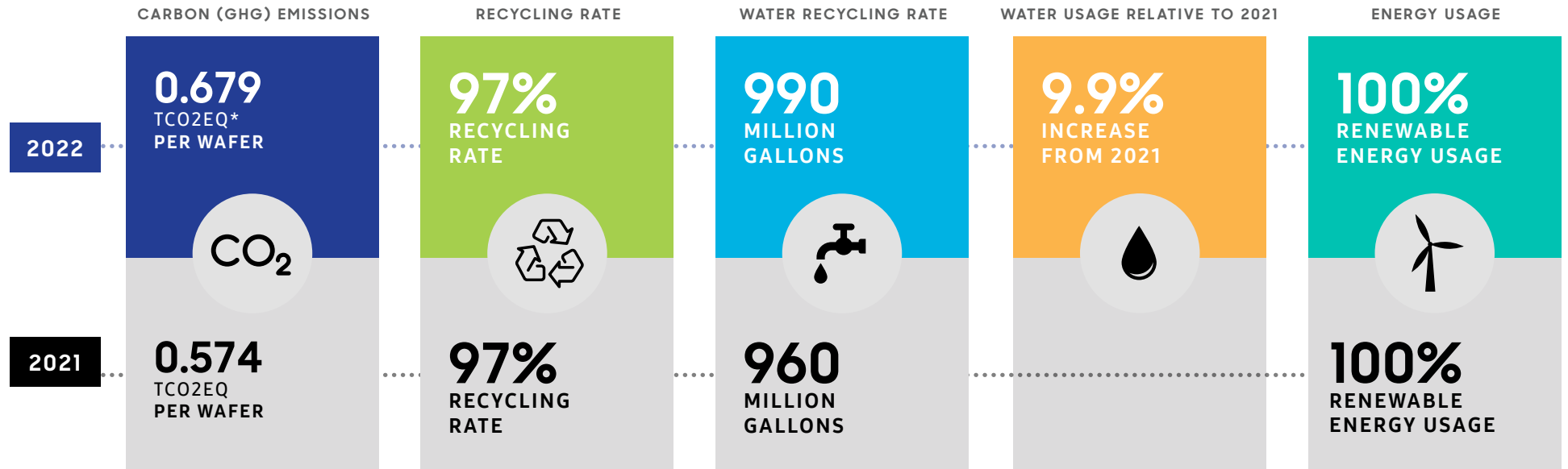
Long-Term Environmental Goals

In 2022, Samsung Electronics established a new environmental management strategy as a comprehensive effort to improve the health of the environment. Across consumer devices, appliances and semiconductors, we believe our scale as one of the world's largest technology companies means that our investments in environmental health have an opportunity to make a significant impact on the technology industry and the world.



Through careful consideration of the complexities within our business, we set forth commitments of achieving net zero emissions company-wide, transitioning to 100% renewable energy and strategically investing in new sustainable technologies in order to create a better, healthier planet for all.

Our Year in Review



* TONS OF CO₂ EQUIVALENT

Samsung Austin Semiconductor experienced a nominal increase in overall greenhouse gas emissions in 2022. The change is a result of standard operational fluctuations and attributed to several factors that include variations in chemical consumption needed for production, with the additional contribution from natural gas consumption. Emissions listed in this report are as reported to the EPA on an annual basis.

Carbon Footprint

2022 Results

GREENHOUSE GAS PROTOCOL - CORPORATE STANDARD

Scope 1 emissions are greenhouse gas emissions generated directly from sources owned or operated by a company. In our case, examples of scope 1 emissions are emissions produced from the manufacturing of semiconductors.

Scope 2 emissions are greenhouse gas emissions associated with the purchase of electricity or generation of steam, heat, or cooling. Samsung purchases Renewable Energy Credits (RECs), and has entered into Virtual Power Purchase Agreements (vPPA) with other large technology corporations to generate additional RECs in order for our business to be powered 100% by renewable energy.

Scope 1

0.679*

TCO₂EQ
PER WAFER

*Emissions listed in this report are as reported to the EPA on an annual basis

Scope 2

0**

TCO₂EQ
PER WAFER

**Samsung Austin Semiconductor purchases RECs in order for our business to be powered by 100% by renewable energy.

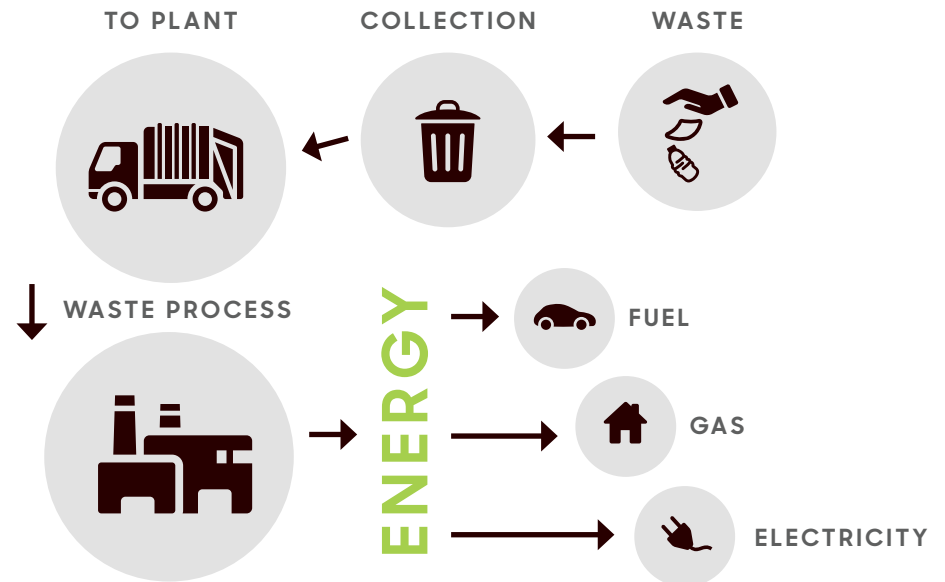
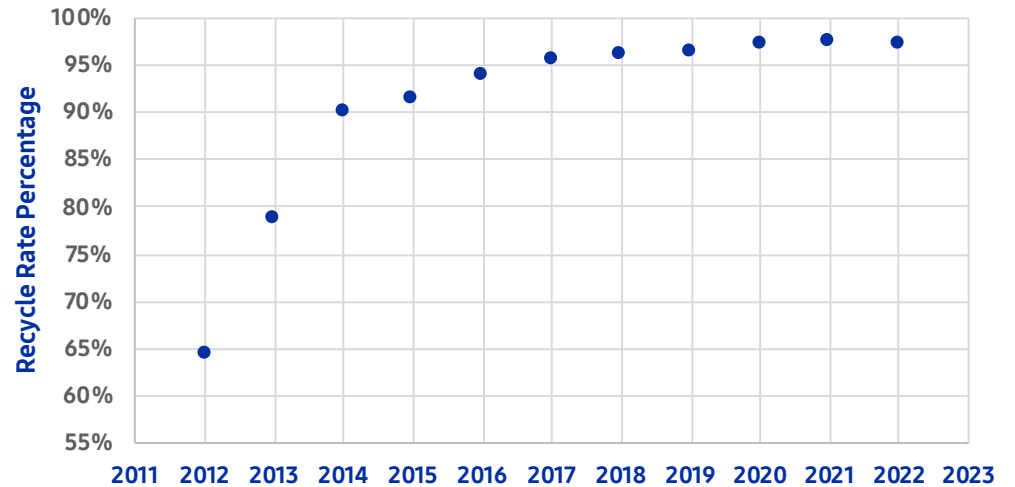
Landfill Diversion

The Underwriter’s Laboratories (UL) is a fully independent, not-for-profit, major testing organization in the United States that serves to carry out public safety testing. They play an active role in producing national standards in cooperation with manufacturers.

One of the standards established by UL is the UL 2799 Landfill Waste Diversion Claim Validation. This validation recognizes companies that manage waste in environmentally responsible and innovative ways. In 2020, Samsung Austin Semiconductor achieved Gold-level validation that certified the company as having a landfill diversion rate of more than 95%. Since 2020, we have increased our landfill diversion rate from 95.8% to 97.4% in 2022.

Our goal is to reach Platinum-level certification by achieving a 99.9% landfill diversion rate by 2025. To help achieve this goal, a large portion of non-recyclable waste is accumulated and processed as waste-to-energy at a downstream facility that utilizes the waste as a fuel-substitute. In 2022, we diverted more than 1.7 million pounds of waste from local landfills and shipped for waste-to-energy processing.

JOURNEY TO ZERO WASTE

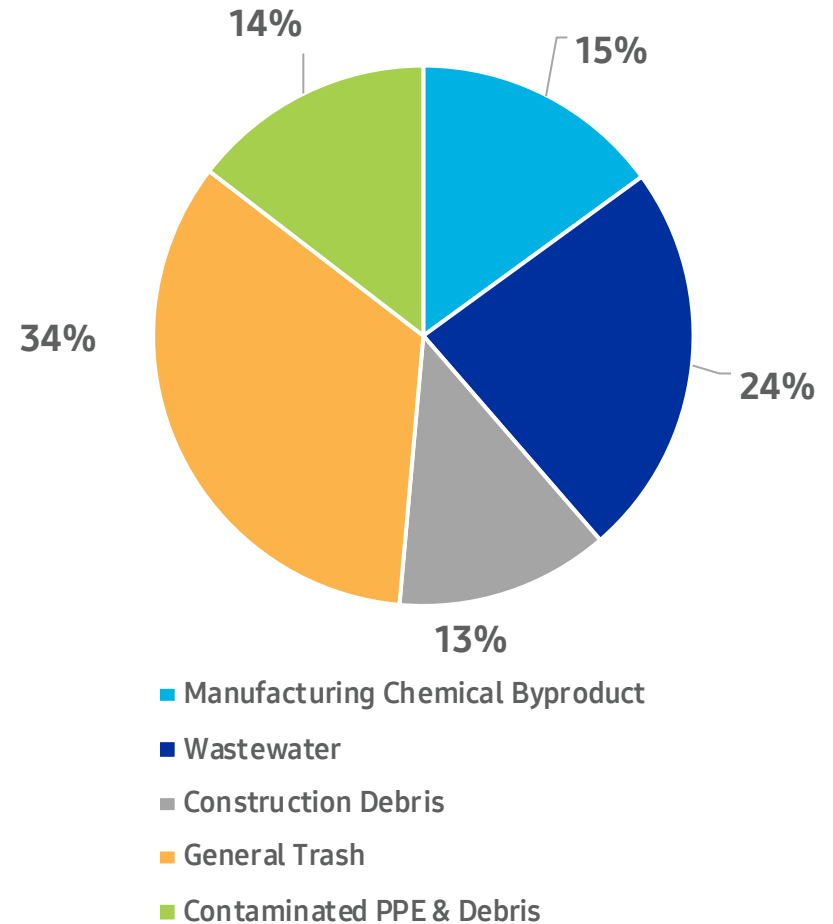


Landfill Diversion

Currently, 2.6% of the total volume of waste generated from site operations is comprised of non-recyclable waste. Implementing new and innovative solutions for managing these residual waste streams, including beneficial reuse options, identifying new end use facilities as well as increasing our output for waste-to-energy will be critical in reaching the challenging zero waste goals that have been established.

General trash makes up the largest portion of remaining landfill waste at Samsung Austin Semiconductor locations. This type of waste stream is generally found throughout the cafes and office areas and is often mixed with organics and recyclable wastes. To improve the consistency of waste sorting practices, the EHS department is spearheading a series of educational trainings and seminars for employees to provide more resources on proper waste sorting techniques to support sustainability at work and at home. Additionally, Samsung EHS will be reinforcing our commitment in the cafes to maximize the proper sorting of recyclable and compostable materials by labeling each consumable food and drink item with its respective disposal method of either “trash”, “recycle” or “compost”.

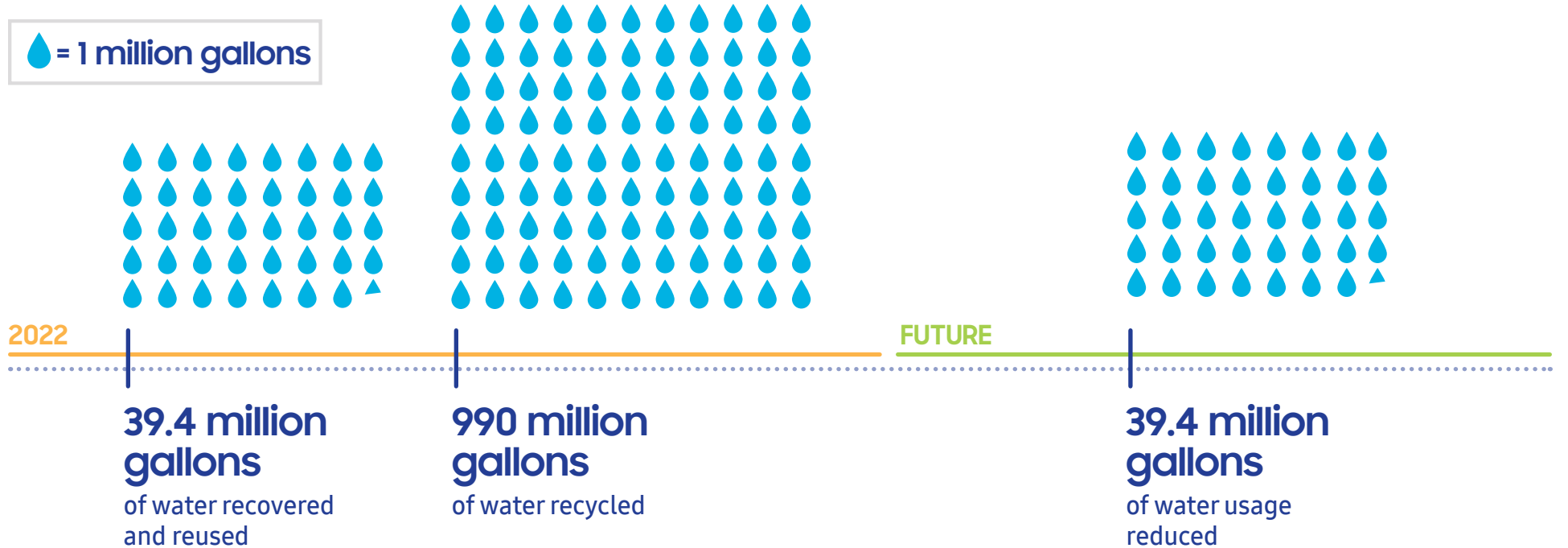
LANDFILL WASTE BREAKDOWN



Water

Our Ultrapure Water (UPW) team has completed two of three phases of a Brine Recovery Reverse Osmosis (BRRO) project. This project serves to reduce the water demand to our overall UPW system. Phase I of the project resulted in 52.5 million gallons of water recovery and reuse. In 2022, BRRO Phase II was implemented and resulted in another 39.4 million gallons of water recovery and reuse to support facility operations. We are looking to further reduce UPW usage by another 39.4 million gallons in the future by installing the third and final phase of the BRRO project. Additionally, through various process water reuse projects done over the years, we were able to recycle more than 990 million gallons of water in 2022. Every drop counts; by increasing our water recycling capabilities we are nearing our goal of minimizing the increase of water withdrawals by 2030.

Total Current Annual Water Recycle	990 MMgal per year
BRRO Phase I Annual Savings	52.5 MMgal per year
BRRO Phase II Annual Savings	39.4 MMgal per year
BRRO Phase III Projected Annual Savings	39.4 MMgal per year



Energy

For the sixth year in a row, Samsung Austin Semiconductor has committed to 100% renewable energy through the purchasing of Renewable Energy Credits (RECs) and from our Virtual Power Purchase Agreement (vPPA) alongside other large technology corporations.

Our vPPA produced nearly 75.5 million kWh for our site in 2022. This energy is generated from windmill farms in Ozona, Texas, which is then transferred Samsung Austin Semiconductor through the creation of RECs.

For our remaining electricity, we purchased enough RECs to get us to 100% renewable energy usage. More than 99% of our RECs are Green-e certified, meaning that our RECs have been registered and certified using independent industry standards.





**Community
Engagement and
Awards**

Harris Branch Watershed Restoration

In 2022, Samsung Austin Semiconductor worked with a well-respected environmental consulting firm to enhance the ecological aspects of an unnamed tributary within the Harris Branch Watershed. These enhancements consisted of coordinating a tributary cleanup that removed approximately 5,000 pounds of trash from within the creek and its banks, removal of invasive plant species, and restoring the habitat within the tributary to a state that will promote aquatic wildlife to thrive. Additionally, educational kiosks were fabricated and installed within the local community to provide an informative resource for the residents to learn interesting facts about their local watershed.



Colorado River Alliance

To celebrate World Water Day, Samsung Austin Semiconductor invited the Colorado River Alliance's Mobile River exhibit to its campus so employees have the opportunity to learn more about the watershed and how everyone can play a role in protecting and preserving the area's water resources.

The Colorado River Alliance is one of Samsung Austin Semiconductor's community partners -- an excellent local organization that is supported through our annual philanthropy. The Colorado River Alliance's Mobile River is designed to connect students to the water that is the lifeline to everyone in Central Texas. With our continued support of \$20,000 in grant funding, the award-winning program will advance its mission to educate students in a fun and interactive way.



Keep Austin Beautiful

As part of our Earth Month activities, nearly 40 Samsung Austin Semiconductor employees and their friends and families chipped in for Keep Austin Beautiful (KAB) Day. This is the seventh year that Samsung Austin Semiconductor has served as a presenting sponsor of KAB. "Keep Austin Beautiful Day is really about making a difference," Rodney Ahart with Keep Austin Beautiful said. "The basis of beautification is clean and it's all about removing litter, which is really a reflection of our community." "I believe it's a good idea to give of yourself and help Austin," Samsung's Catrece Taylor said. Volunteers collected 8 cubic yards of material and approximately 1,000 tons of litter were diverted from the landfill—making the area around our facility a cleaner place for everyone!



Monarch Waystations

Samsung developed two monarch butterfly waystations in November 2022 to help promote the growth of this endangered species within the area. Monarch butterflies are important to the environment because they are pollinators. They migrate across the continent and help ecosystems thrive. These waystations were created to provide butterflies with the appropriate resources needed to reproduce and sustain their migration. One waystation was installed on the south end of the Samsung Austin Semiconductor site in northeast Austin and the second was developed within one of the neighboring communities. We are currently working on obtaining the proper registrations to officially certify these breeding grounds as official monarch waystations.

Without pollinators, we would not have flowers or many dietary staples like squash and blueberries. With the planting of the milkweed seeds in November, we have since been able to see the results of efforts this spring.



Awards in 2022

On World Water Day (March 22), Evoqua Water Technologies named Samsung Austin Semiconductor the winner of its annual Water Sustainability Award. The award recognizes companies for their water stewardship, including companies using new or existing technologies in innovative, sustainable ways.

The award specifically acknowledges Samsung Austin Semiconductor's copper ion exchange process that removes and recovers copper from wastewater prior to discharge in an environmentally-friendly and sustainable manner.

Samsung's system also eliminates 1.5 million pounds of sludge from being sent to the landfill annually and conserves more than 1.5 million gallons of water per year.

In April, the Texas Commission on Environmental Quality also awarded Samsung Austin Semiconductor with the 2022 Governor's Texas Environmental Excellence Award for its copper ion exchange process in the Technical/Technology category.

For the 10th year in a row, Samsung Austin Semiconductor is being recognized by the City of Austin for Excellence in Pretreatment, an

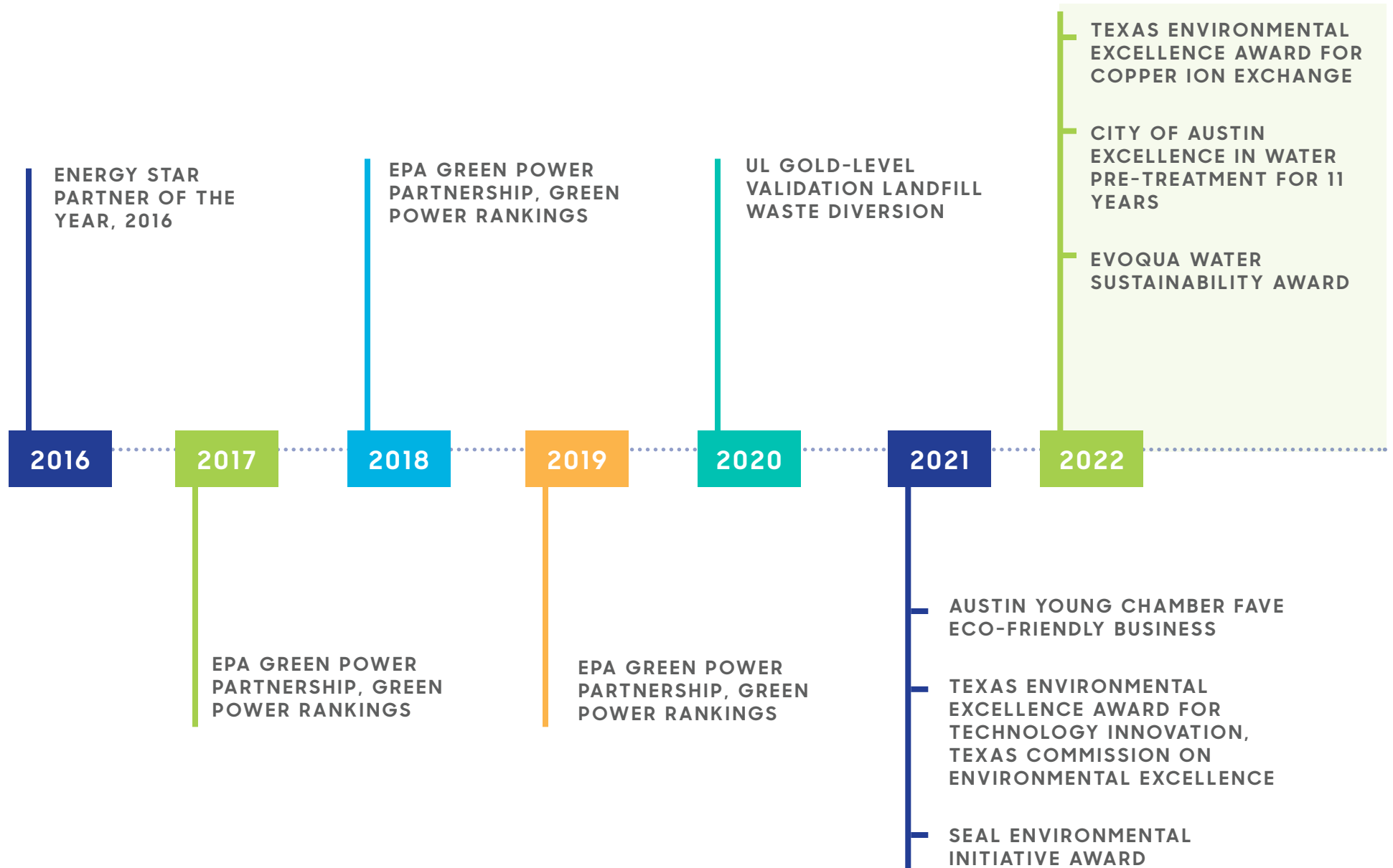
award which honors distinguished Significant Industrial Users who exhibit environmental stewardship by proactively preventing pollution and expertly managing wastewater discharge.

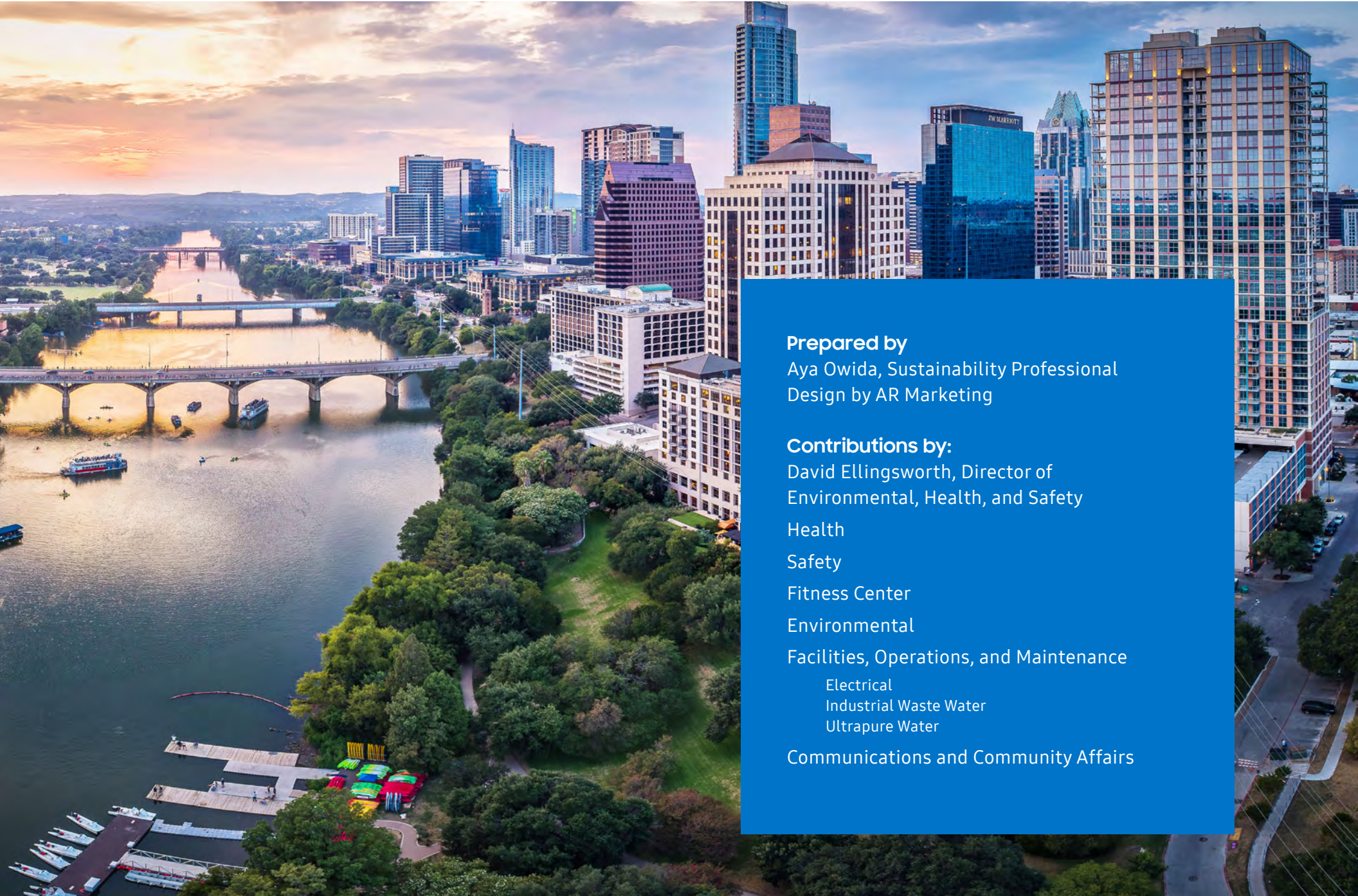
"Thank you for continuing to meet all the various regulatory requirements set forth in Austin City Code and for taking innovative approaches to ensure clean water for future generations. Samsung Austin Semiconductor's efforts truly make a positive difference in the Austin community," wrote Austin Water's Environmental-Conservation Division Manager Jay Porter.

"Samsung Austin Semiconductor has made numerous strides to address our environmental commitment," said Dr. Sang Sup Jeong, President of Samsung Austin Semiconductor. "It is an honor to receive these awards and we'll continue our efforts to be a leader and steward of our environment in all of our operations and business."



Awards and Certifications





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