



OCTOBER 24
2024



SoCalREN 

SoCalREN Workforce Education & Training Program



Thursday, October 24 2024
Discovery Cube Los Angeles, Sylmar

Helping connect the next generation with opportunities in one of the nation's fastest growing job markets.

Our second annual Future Green Leaders Summit (FGLS) offers an exciting and inspiring day of learning for local students, exposing them to the many technologies and career paths in sustainability and energy efficiency. Designed as a collaboration between local government, private industry, and higher education institutions, this hands-on experience supports Los Angeles Unified School District's Strategic Plan Pillar 1D: Academic Excellence—College and Career Readiness. With support from our sponsors, this event is offered at no cost to participating schools.

Event Map



Workshops

Workshop Title	Organization	Location
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Energy Battle Royale

Global Inheritance

Indoor Theater Room

The “Energy Battle Royale” is an interactive stage show featuring various sustainable energy generation technologies—solar, wind, geothermal, hydrogen, biogas, nuclear, tidal, and ethanol— presented through engaging and dynamic performances between Energy Superhero characters. Each character highlights the benefits and challenges of their respective energy type, while emphasizing efficiency and environmental awareness.

Students actively participate by cheering for their favorite energy source, as the characters engage in a rap battle. The experience sparks critical thinking and lively debate about the pros and cons of our real-world energy mix. This engaging format promotes active learning and fosters a deeper understanding of how renewable energy sources contribute to reducing carbon emissions, creating jobs, and powering a cleaner, greener planet for all.

STEM Exhibits

Discovery Cube

Indoor Exhibit Floors

As a nationally recognized leader in hands-on science, technology, engineering, and mathematics (STEM) education for over 25 years, Discovery Cube exhibits open the door to experiential learning like never before. We believe learning is a journey worthy of fun and inspiration. By creating active learning environments through large-scale exhibits and hands-on activities, we encourage children to ask questions and explore new ideas. Our team of educators are experienced in science, teaching, and performance to make every STEM experience memorable. Whether you are a child, a teacher, a parent, or a budding scientist, the exhibits offer something for everyone to spark your curiosity, inspire your creativity, and have fun!

Resource Fair Booths

Government and Industry Partners

Outdoor Tents

This breakout session provides students with the opportunity to engage directly with professionals working in various sectors of sustainability. Through hands-on interactions, students will learn about the innovative work being done in the areas of technology, renewable energy, environmental conservation, and sustainability. Each partner will share their work and resources with students and thereby expose them to different career paths, offering insight into the diverse opportunities available in the growing green energy and sustainability industries of the future.

Workshop Title	Organization	Location
CSULB Shark Lab	California State University Long Beach	Outdoor Large Tent

The California State University Long Beach Shark Lab engages students in the two experiences listed below.

Station 1: Shark Biology and Physiology

The students will learn about the physical adaptations that make sharks perfectly suited to survive and thrive in the marine environment. During the presentation, we will point out many different characteristics of a shark's body including shape, fins, skin, eyes, jaws, and skeleton. Students will be able to see, feel, and examine these parts up close to compare and contrast between species and native habitat.

Station 2: Shark Tracking Technology

During this presentation, students will learn about all the different tags we use to track juvenile white sharks. Students will see how we tag the sharks, and how these tags actually work. We will dive into the difference between acoustic and satellite tags with a few demonstrations showing how well these tags work in air, salt water, and fresh water.

Speakers



Michael Ow

Director, Los Angeles County Internal Services Department

Michael Ow is the Director of Los Angeles County's Internal Services Department (ISD). Prior to his appointment as Director, he served as the ISD Chief Deputy Director and General Manager for Purchasing and Contract Services. ISD supports the mission of L.A. County with an annual budget of more than \$872M. It encompasses more than 2,100 staff and 5,100 contracted workers of varying professions in digital equity, facilities management, information technology, environmental, administrative, purchasing, and contracting. Michael is a passionate public servant and proven government executive with a track record of success in improving operational performance while prioritizing equity, transparency, and commitment to the public.



Christos Chrysiliou

FAIA, CCM, LEED AP BD+C

Christos Chrysiliou is the Chief Eco-Sustainability Officer for the Los Angeles Unified School District (LAUSD), leading its eco-sustainability program. He is responsible for the development and implementation of sustainable and renewable energy initiatives with the goal of reducing LAUSD's carbon and water footprint and promoting climate literacy. Prior to that Christos served as the Director of Architecture and Engineering (A&E) Services for over a decade with the Facilities Services Division of LAUSD.

A licensed architect, Christos is a Fellow of the American Institute of Architects, a certified construction manager (CCM), and a LEED AP BD+C.

As the Chief Eco-Sustainability Officer and past Director of A&E Services, Christos has been on the forefront of LAUSD's efforts to promote sustainable design practices; campus ecology including the clean energy and decarbonization transition; and healthier, more eco-friendly school environments. Christos's expansive knowledge and experience in all facets of planning, design, sustainability, and construction empowers him to direct complex programs that are responsive to the surrounding environment. Christos's foresight regarding our climate challenges has been instrumental in building external and internal collaborations and directing talented teams comprised of architects, engineers, sustainability specialists, and energy managers to envision more resilient educational facilities.

Christos's vision is to transition LAUSD to clean energy in all sectors by developing healthy environments that utilize sustainable techniques and materials to protect and restore our natural resources and enhance our wellbeing.



Laura Friedman

Assemblymember, 44th District

First elected to the California State Assembly in November 2016, Laura Friedman represents the cities of Burbank, Glendale, and Los Angeles, as well as the communities of La Crescenta, Lake View Terrace, Montrose, North Hollywood, Shadow Hills, Sherman Oaks, Sunland-Tujunga, Studio City, Toluca Lake, and Valley Village.

Laura's legislative work is focused in three primary areas: addressing the housing affordability and homelessness crisis, combating climate change, and protecting vulnerable communities. During her time in the Assembly, Laura has secured over \$60 million in funding for active transportation projects in her district. She has also authored a package of bills to create new avenues for communities to tackle the affordable housing crisis; encourage water conservation; strengthen environmental sustainability; protect communities against devastating wildfires; improve access to higher education and health care; and ensure that California's foster youth have the support they need as they transition to adulthood.

Long recognized as a steadfast advocate for the environment, sustainable communities, and active transportation, Laura served as the Chair for the Assembly Committee on Transportation from 2020 through 2023. Her time as Chair marked a shift toward forward-thinking policies such as investing in mass transit, bicycle and pedestrian infrastructure, zero-emission vehicles, road safety, and sustainability. She has championed data-driven transportation policy that focuses on the link between housing and transportation, and improving road safety for all users, including landmark legislation to provide local communities with greater flexibility to set speed limits on their roadways. Before moving to the Transportation Committee, Laura served as the Chair of the Assembly Committee on Natural Resources.

ORANGE GROUP

Time	Agenda	Location
9:00 AM	Arrival: Buses arrive and students are greeted by Energy Heroes	1 Outdoor Main Stage
9:35 AM	Event Starts: Welcome and keynote speakers open event at Main Stage	1
9:55 AM	Energy Heroes Kick-off Show: Interactive stage show featuring sustainable technologies	1
10:20 AM	Breakout Session 1: Shark Lab	2 Outdoor Tent
11:05 AM	Breakout Session 2: Resource Fair	3 Outdoor Booths
11:50 AM	Breakout Session 3: STEM Exhibits	4 Indoor Exhibits
12:30 PM	Lunch	5 Outdoor Lunch Area
1:05 PM	Breakout Session 4: Energy Battle Royale	6 Indoor Theater Room
1:45 PM	Closing: Closing remarks and students load buses to exit	
2:00 PM	Departure: Buses depart	



DiscoveryCube
LOS ANGELES
Open Daily • 10am - 5pm
11800 Foothill Blvd.
Sylmar, CA 91342

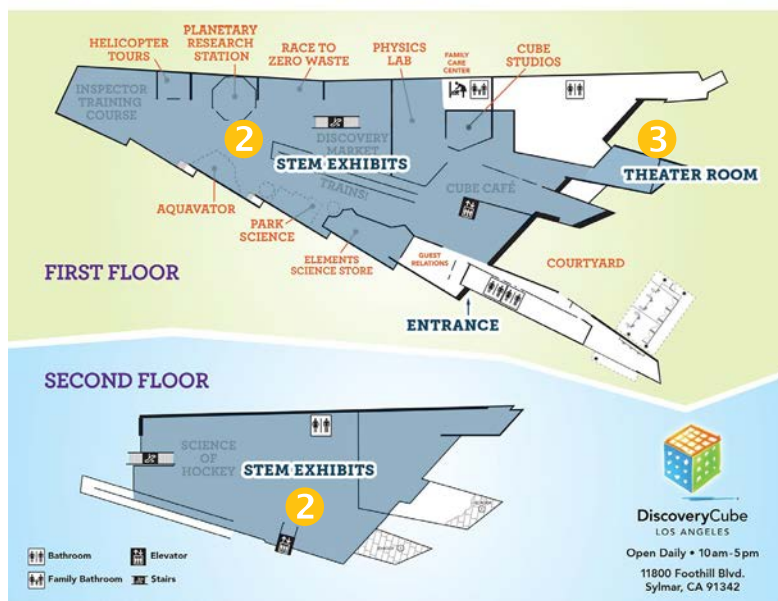
GREEN GROUP

Time	Agenda	Location
9:00 AM	Arrival: Buses arrive and students are greeted by Energy Heroes	1 Outdoor Main Stage
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1:45 PM	Closing: Closing remarks and students load buses to exit	
2:00 PM	Departure: Buses depart	



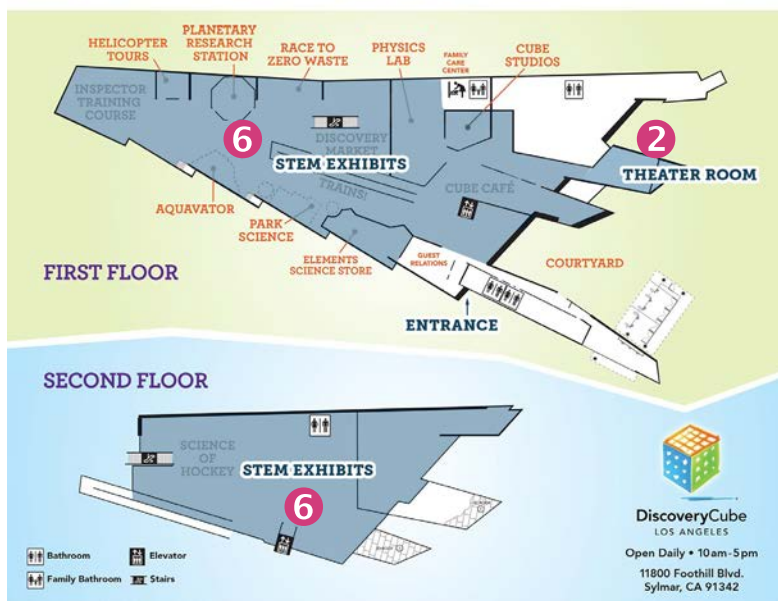
YELLOW GROUP

Time	Agenda	Location
9:00 AM	Arrival: Buses arrive and students are greeted by Energy Heroes	1 Outdoor Main Stage
9:35 AM	Event Starts: Welcome and keynote speakers open event at Main Stage	1
9:55 AM	Energy Heroes Kick-off Show: Interactive stage show featuring sustainable technologies	1
10:20 AM	Breakout Session 1: STEM Exhibits	2 Indoor Exhibits
11:05 AM	Breakout Session 2: Energy Battle Royale	3 Indoor Theater Room
11:50 AM	Breakout Session 3: Shark Lab	4 Outdoor Tent
12:30 PM	Lunch	5 Outdoor Lunch Area
1:05 PM	Breakout Session 4: Resource Fair	6 Outdoor Booths
1:45 PM	Closing: Closing remarks and students load buses to exit	
2:00 PM	Departure: Buses depart	



PINK GROUP

Time	Agenda	Location
9:00 AM	Arrival: Buses arrive and students are greeted by Energy Heroes	1 Outdoor Main Stage
9:35 AM	Event Starts: Welcome and keynote speakers open event at Main Stage	1
9:55 AM	Energy Heroes Kick-off Show: Interactive stage show featuring sustainable technologies	1
10:20 AM	Breakout Session 1: Energy Battle Royale	2 Indoor Theater Room
11:05 AM	Breakout Session 2: Shark Lab	3 Outdoor Tent
11:50 AM	Breakout Session 3: Resource Fair	4 Outdoor Booths
12:30 PM	Lunch	5 Outdoor Lunch Area
1:05 PM	Breakout Session 4: STEM Exhibits	6 Indoor Exhibits
1:45 PM	Closing: Closing remarks and students load buses to exit	
2:00 PM	Departure: Buses depart	



Sponsors

Pathfinder



The Los Angeles Department of Water and Power (LADWP), the largest municipal water and power utility in the nation, was established more than 100 years ago to deliver reliable, safe water and electricity to 4 million residents and businesses in Los Angeles. One of LADWP's main goals is committed to increasing its use of renewable energy sources and to deliver quality water to the homes and businesses in L.A.

Voyager



At SoCalGas we live by three values: Do the Right Thing, Champion People and Shape the Future. These values permeate our company. They guide how we think and drive our actions. As one of America's largest energy providers, our values are the lens through which we see every opportunity and challenge.

With our values providing a strong foundation, our mission statement presents an actionable framework of purpose and intent. At SoCalGas, we're dedicated to leading the transition to a decarbonized energy system.

We believe every Californian deserves a clean, affordable, resilient energy future. SoCalGas is working to achieve that future through innovation, collaboration, and decarbonization.



ICF is a global consulting services company, but we are not your typical consultants. We help clients navigate change and better prepare for the future.

From creating roadmaps to meet net zero carbon goals to strategy and planning, implementation and engagement, and domain expertise, we provide deep industry expertise and innovative technology solutions, so the right decisions can be made when the stakes are high.

Adventurer



A culture of innovation and flexibility has been essential to Swinerton's enduring success. Since our inception, we have remained forward-thinking and operate on accountability and integrity. Our ability to respond to every project challenge regardless of size, location, or complexity is a hallmark of our unwavering commitment to our clients.

Explorer



Electricity powers our homes, our businesses and our communities. We've delivered it to Southern and Central California for more than 135 years. As one of the nation's largest electric utilities, we're committed to safely delivering affordable and reliable electricity today and for the future.

SKANSKA

At Skanska, we build for a better society. From hospitals to stadiums, airports to corporate headquarters, and power plants to tunnels and bridges, the important buildings and infrastructure we create help heal, transport, entertain and energize communities.

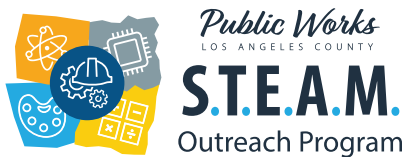


The U.S. Green Building Council California (USGBC California) is a member-based nonprofit advocating for a sustainable, resilient, and equitable built environment in California.

Tourist



PDA Consulting Group Inc.





The students of today are our clean energy leaders of tomorrow.



LADWP is proud to create a green future for Los Angeles and its youth.

Building a Stronger Los Angeles through Service, Innovation & Opportunity

Calling All Future Energy Savers

They're furry. They're friendly. And surprisingly knowledgeable about energy efficiency. Yep, our crew of energy-saving monsters are ready to take over area schools to help third- and fourth-grade students learn how to reduce energy use at home.

We call it **Kits for Kids**. For students, the program means:

-  An interactive scavenger hunt
-  Energy-saving items at no cost

Plus, if 65% of students install the items they receive at home, their classroom can get a **\$1,000 grant**. How's that for monster motivation?!





ICF is a proud sponsor of the SoCalREN
Future Green Leaders Summit.



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From creating roadmaps to meet net zero carbon goals to strategy and planning, implementation and engagement, and domain expertise, we provide deep industry expertise and innovative technology solutions, so the right decisions can be made when the stakes are high.

Learn more at icf.com/work/energy



EMPOWERING GREEN LEADERS OF TOMORROW

Swinerton is committed to opening doors in construction through education, scholarships, and opportunities for the next generation. That's why we're proud to support the Future Green Leaders Summit, where students discover green career paths, build connections, and meet industry leaders in the booming green economy.

Visit swinerton.com to learn more about our internship program.

SWINERTON 



SKANSKA

Sixth St Viaduct Bridge, Los Angeles, CA



At Skanska, **we build for a better society.** From tunnels and bridges to power plants, hospitals to stadiums, and airports to corporate headquarters, the important buildings and infrastructure we create help heal, transport, entertain and energize communities.



Find Your Future in the Architecture, Construction, Engineering Students (ACES) Pathway Program

ACES helps you achieve your higher education goals while in high school. The program also includes:

- A head start in earning college credits
- Access to paid summer internships
- Hands-on experience
- Access to professional mentors
- Work readiness and financial literacy training
- Financial support



GREEN PATH CAREERS

The Green Path Careers (GPC) Program empowers opportunity youth and adults to access the fast growing Energy Efficiency sector through comprehensive education, training, and hands-on work experience.

- Facilitates entry into the energy efficiency workforce, guiding participants **from recruitment to career readiness**.
- Provides valuable **skills, job certifications, and practical experience** for career advancement.
- Offers a **multi-step approach tailored to individual needs**, ensuring effective preparation for success in the field.
- Empowers participants with the **tools and knowledge necessary to thrive** in the rapidly growing energy efficiency industry.





**Scan the QR code
to sign up today.**

ADVANCE YOUR ENERGY CAREER WITH WORKFORCE EDUCATION & TRAINING



Join thousands of workers who learn new skills with SCE's Energy Education Centers classes that help you improve skills in HVAC system performance, Energy Codes & Standards, Ag Pumping and Irrigation, Lighting, Building performance, and more.

