

SoCalREN Advisory Committee Meeting

Wednesday, April 7, 2021

10:30 am - 12:00 pm

Administration

- This webinar is being recorded
- Please keep microphone muted unless you want to speak
- If you are experiencing any technical issues during the webinar, please contact Meghan Kamper at *mkamper@energycoalition.org*

Directions for Chat

- We will be having an open discussion throughout the meeting!
- To facilitate orderly discussion while others are speaking, we are going to be using the “raise hand” function.
- If you would like to ask your question verbally click on the “raise hand” function so we can unmute you.
- If you would not like to be unmuted, send us your question or comment through the chat!



Introductions

Who is participating today?

Advisory Committee Members



ORANGE COUNTY POWER AUTHORITY

Invited Guests



SoCalREN Staff, Implementers & Regional Partners



SoCalREN Advisory Committee



Guide and Advise



Collaborate & Innovate



Be Informed



Be an Advocate

Agenda

SoCalREN Welcome	Minh Le	10 min
Regulatory Update	Marc Costa	10 min
External Funding Case Studies	Various	25 min
Funding Opportunities	Laurel Rothschild	40 min
Closing Remarks	Minh Le	5 min

SoCalREN Welcome

Minh Le, Los Angeles County

Breakout Rooms - Quick Connect

- Introduce Yourself!
- What are you most excited to be working on right now?
- Bonus Question
 - Share a word or phrase that represents how you feel about 2021.

Regulatory Updates

Marc Costa, The Energy Coalition

EE Rolling Portfolio / CAEECC



- March 2021 - CPUC issued DEER2023 updates
- March 2021 - Full CAEECC meeting discussed market transformation, underserved working group and major EE portfolio reforms
- 2021: Proposed Decision in progress
- TBD: EE Business Plans Due

Regulatory Updates



Proceeding Number	Title of Proceeding	Recent Development	Impact to LG/ Constituents Served	Next Step/ Deliverable
R.13-11-005	Rolling Portfolio	<ul style="list-style-type: none"> - DEER2023 comments open - I-REN Motion - EM&V quarterly workshop - Full CAEECC meeting 	<ul style="list-style-type: none"> - The update shows which measures are expiring or need further study - Considers a big shift for the CPUC to align their administrative tools with the DOE and CEC - WRCOG filed motion to form the I-REN - Quarterly EM&V workshop discussed evaluation and impact studies of various programs - Discussed market transformation, underserved working group and major EE portfolio reforms 	-Work on Business Plans for Sept 2021
R.20-08-022	Clean Energy Financing	- Scoping memo and ruling issued	- AC Ruling seeking party feedback on track 1 issues related to CHEEF programs.	-Awaiting decision/ ruling

Regulatory Updates



Proceeding Number	Title of Proceeding	Recent Development	Impact to LG/ Constituents Served	Next Step/Deliverable
R.20-05-003	Integrated Resource Plan (IRP)	- CPUC En Banc of Energy Affordability	- The all-day En Banc followed recent publication of a 99-page white paper on the topic by the CPUC's Energy Division.	PD on party comments after the en banc
R.19-09-009	Rulemaking Regarding Microgrids	- Resilience and Microgrid Working Group (RMWG)	- Working groups continue to discuss multi-property tariffs (over the fence rule) and standby charges	Follow for RMWG updates
Other R.20-11-003 R.20-08-020	Emergency Reliability NEM3.0	- Summer 2021 Guidance Document - 2-day workshop	- Guidance Document outlines changes and expansion of DR programs and flex alerts - Workshop discussed significant changes and elimination of NEM credits to be replaced by up-front incentive	Await final decision on Summer 2021 readiness Await decision on NEM 3.0

External Funding Case Studies

Highlighting projects supported
outside of EE ratepayer funding

Healthy Stores Refrigeration Program Case Study

Laurel Rothschild, The Energy Coalition

Healthy Stores Refrigeration Program

Funded by a \$1.4 million grant to the County of Los Angeles through the California Department of Food and Agriculture (CDFA) Healthy Stores Refrigeration Grant Program.

The Healthy Stores Refrigeration Program (HSRP) helps small businesses in food deserts replace existing, inefficient refrigerators with new efficient models to fill with California-grown healthy food.



Customer Eligibility Criteria



Small Business Grocer

- ✓ Independently owned;
- ✓ Less than 100 employees, and;
- ✓ Avg. gross annual receipts of \$15M or less.



Corner Store*

- ✓ Sells food and other essentials in a food desert;
- ✓ Does not specialize in any one item, such as candy or meat, and;
- ✓ 2 or fewer cash registers.

**not necessarily located on a street corner!*

Store must also:

- ✓ Be located in a Disadvantaged Community & Food Desert;
- ✓ Authorized to accept EBT/SNAP/CalFresh benefits.

Program Design

Program designed to provide comprehensive support to store owners

- Participant hand-holding throughout process
 - Pre- and Post-Installation Store Visits
- Bi-lingual engagement
- Information on EE, stocking fresh produce
- Marketing support



Los Angeles Food Policy Council

Program Informational Materials



Free Refrigeration Upgrades for Los Angeles Grocery Corner Stores

Improve the health of your neighborhood on your energy bill, and get free im

About the Program

The Healthy Stores Refrigeration Program provides grants to small businesses in Los Angeles' food deserts to replace inefficient refrigerators with new efficient California-grown fresh fruit, vegetable, and healthy food. We'll help you get a new fridge, walk you through the recycling process, replacing an old unit, install your refrigerator, and provide healthy food options, **all at no cost**. Program will also provide free education and training on sourcing, marketing, and selling healthy food.

If you own either an independent grocery store or a corner store, you may be eligible. Contact us to learn more about the program and how to get a free upgraded fridge!

HSRP@isd.lacounty.gov

Email for more information and to complete an interest form!



Healthy Stores Refrigeration Program (HSRP) Interest Form

The Healthy Stores Refrigeration Program funds energy-efficient refrigeration units in small grocers and corner stores serving low-income communities. Replacing inefficient refrigerators with California-grown fresh fruit, vegetable, and healthy food is an easy way for store owners to improve the health of their communities.

This interest form should be completed and returned to the program. It is available for business owners to review and complete. If your form is approved, email us at HSRP@isd.lacounty.gov.

Eligibility Requirements

Please check the boxes below to indicate if you meet the following requirements:

<input type="checkbox"/>	Located within a disadvantaged area
<input type="checkbox"/>	Located within a food desert
<input type="checkbox"/>	Holds a California Business License
<input type="checkbox"/>	Authorized to accept EBT/SNAP



Programa de Refrigeración para Tiendas Saludables (HSRP, por sus siglas en inglés)

¡Felicitaciones!

Hemos revisado y **aprobado** su formulario de interés para participar en el Programa de Refrigeración para Tiendas Saludables. Este documento contiene información de referencia sobre los requisitos del programa y los pasos que debe dar en las próximas semanas. El programa también ofrece representantes para guiarlo en este proceso.

Requisitos de participación

Para continuar con el Programa de Refrigeración para Tiendas Saludables y recibir su nuevo refrigerador de bajo consumo energético, haga lo siguiente:

- Responda a la **pre-encuesta**¹ del Departamento de Alimentos y Agricultura de California (CDFA, por sus siglas en inglés) después de llenar el formulario de interés y antes de la instalación
- Trabaje con nuestro contratista externo para instalar su nuevo refrigerador de bajo consumo energético
- Llene su nuevo refrigerador de bajo consumo energético con frutas, verduras, frutos secos y alimentos preparados mínimamente procesados y producidos en California
- Complete su capacitación sobre cómo conseguir alimentos saludables, manipularlos y venderlos.
- Responda a la **post-encuesta**² un año después de la instalación
- Es posible que participe en una evaluación más detallada por parte del CDFA (habrá un número limitado de participantes)

Nuestros representantes del programa pueden responder a cualquier pregunta que tenga sobre estos requisitos, y le ayudarán a completar estos pasos.

2020 Engagement



*8 stores determined ineligible since they did not meet program criteria

**2 stores withdrew interest after submitting interest form

Success Story: Lupita's Market



As a first time business owner, we do not have enough money to invest in buying new merchandise, and this was a good program that actually helped us...everyone's looking for fresh and healthy food right now.

- Frances Sanchez, Lupita's Market



Benchmarking Call to Action Case Study

Rebecca Hausheer, The Energy Coalition

2021 SoCalREN Public Agency Programs



Project Delivery Program



Metered Savings Program



Revolving Loan Fund



Pathway to Zero



“Expand the mission to include other GHG emission reduction programs

Assistance with Solar PV projects

Cost benefit analysis of the energy savings projects including [...] solar”



Benchmarking Call to Action Subprogram

**CEC Funded (ARRA);
\$985K across 2 years
(ending Dec. 31st, 2021)**

Source: 2018 SoCalREN Agency Satisfaction Survey

Benchmarking Call To Action (BMCTA) Streamlined Service Integration



DER & Sustainability Strategies

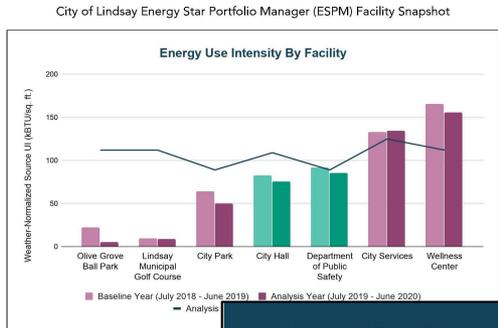
- Photovoltaic (Solar) and Battery Storage
- Demand Response
- Electric Vehicle Charging Infrastructure
- Solar Water Heating
- Green Rate Options
- Permanent Load Shifting
- Water Efficiency

BMCTA Highlights

Southern California REGIONAL ENERGY NETWORK

Pathway to Zero

SoCalREN Public Agency Programs | socialren.org



Metric
Weather-normalized Source EUI (kBtu/sq ft) (Estimated)
Energy Star Score (0-100)
Variance from National Median Source EUI
Direct GHG Emissions (Metric Tons CO2e)
Direct GHG Emissions Intensity (kgCO2e/sq ft)

On August 13, 2020, SoCalREN went on-site to best City Hall and the Department of Public Safety facility national median energy intensity for similar facilities.

Based on City Hall's Energy Star score, the facility manager, Jake Anderson, for more information on his

¹ Energy Star Scores are available for select facility types. The Pub
² Wellness Center values were calculated using a Baseline Year of
 1

Southern California REGIONAL ENERGY NETWORK

SoCalREN Public Agency Programs

socialren.org

Costa Mesa City Hall Solar PV Report

Southern California REGIONAL ENERGY NETWORK

Pathway to Zero

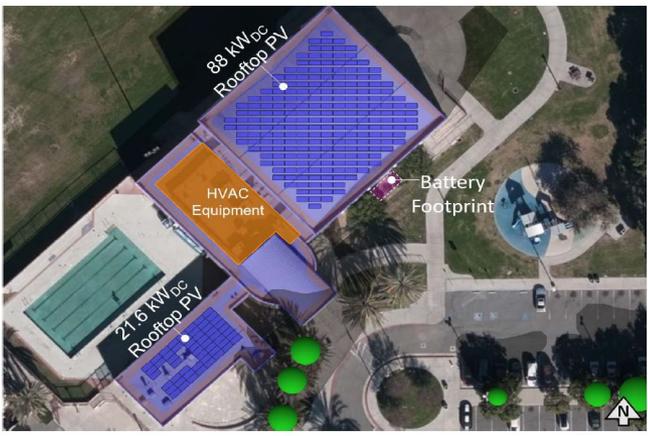
SoCalREN Public Agency Programs | socialren.org

Oxnard Wastewater Treatment Plant Co-Digestion Audit Report

A24CPO7-BMCTA

Provided For:
 The City of Oxnard WasteWater Treatment Plant
 6001 Perkins Rd. Oxnard, CA 93033

Provided By:
 County of Los Angeles/Southern California



Snapshot of photovoltaic (solar) and battery storage system layout recommended for a SoCalREN public agency facility

Success to Date

- 29 On-site Benchmarking Activities
- 13 DER Audits
- 5 DER Technical Services



City of Oxnard WWTP BMCTA Case Study

EE & DER support services

- EE projects identified:
 - Process optimization improvements & engine block heater upgrade
 - 2 million kWh savings/ year
- DER biogas co-digestion audit completed
 - 50% - 140% increase in biogas production from food waste
 - **2.75 - 7.5 million kWh savings/ year**



Grant Funding Support

- BMCTA DER audit insights to submit for **\$182K EPA grant** for in depth Feasibility Evaluation & Pilot Study
- SoCalREN's additional DER technical services to support grant match funding
- CEC grant recently applied for for EE measure implementation

Architecture, Construction, Engineering Students (ACES) Pathway Program Case Study

Wendy Angel, Emerald Cities



Mission:

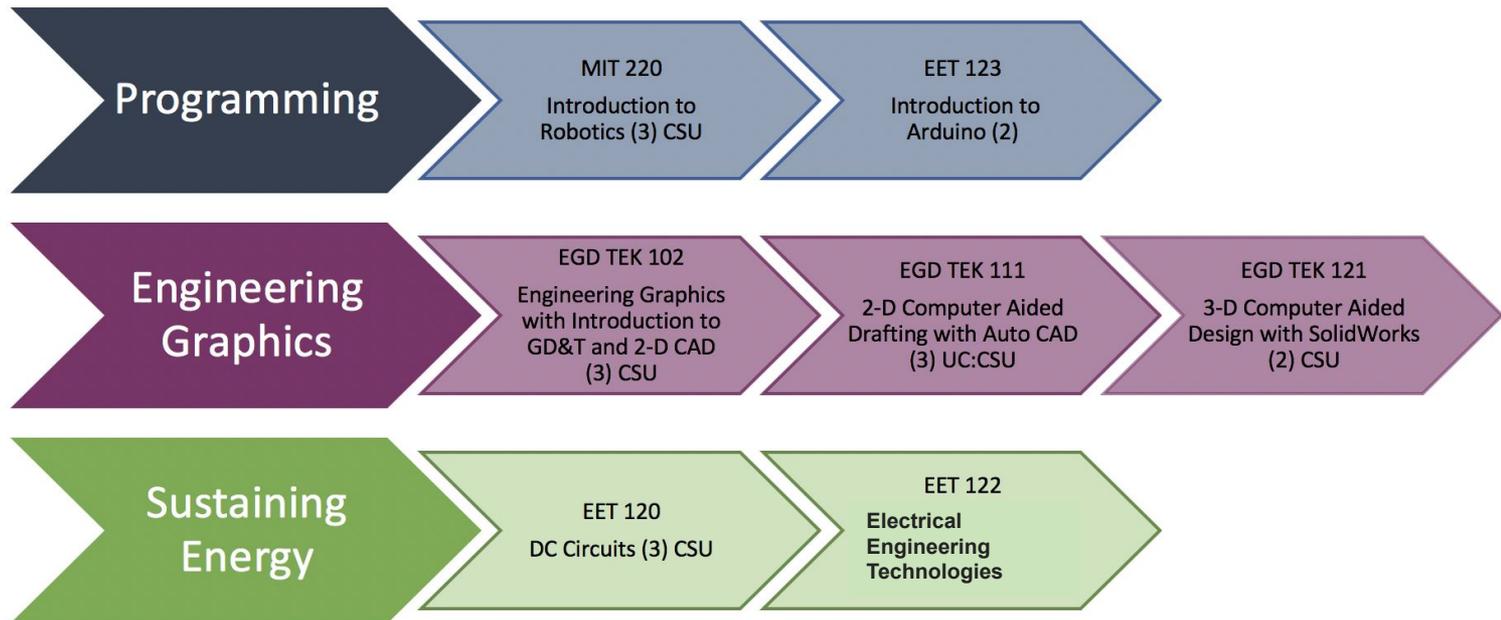
To engage, expose and challenge students to explore architecture, engineering and construction careers by capitalizing on public works investment, community college STEAM course offerings and strong industry participation in the Energy Efficiency sector.

Leveraging Partnership Funding

- Los Angeles Community College Dual Enrollment (LACCD)
- LA County Workforce Development Aging, Community Services (WDACS)
- Scholarships (LINXS)



Skills Certification Pathways: Dual Enrollment (LACCD)



Internship: WDACS and Scholarship (LINXS)

Paid Work Experience

- Enrollment with America's Job Center of California
 - 120 hours
 - Minimum wage
 - Supportive Services
- Eligibility
 - Successful completion of two dual enrollment courses
 - Ages 14-24

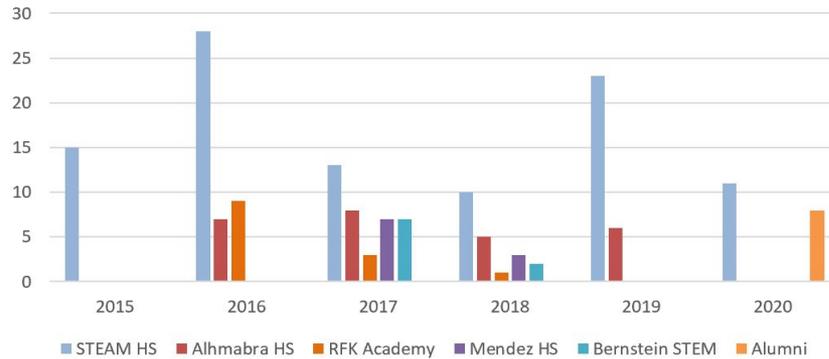
Scholarship

- Through LINXS, the joint venture building the \$4.9 billion LAX Automated People Mover Project, \$120,000 is made available for scholarships.

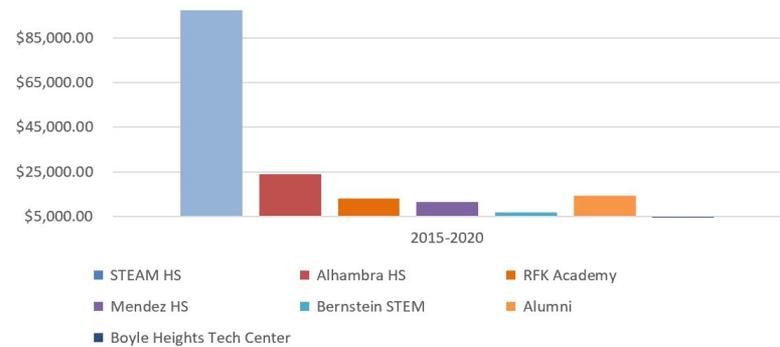


Internship: Snapshot

**INTERNSHIP PARTICIPATION
By HS CAMPUS AND YEAR**



**INTERNSHIP WAGES EARNED
BY HS CAMPUS AND YEAR**



Funding a Microgrid & EE during the Pandemic

Alelia Parenteau, City of Santa Barbara

City of SB Microgrid

- Solar - PPA
- Battery - SGIP
- EV – Charge Ready, APCD
- Special Considerations
 - Historic District
 - Emergency Services
 - NEM-Ag



Alelia Parenteau, Energy & Climate
Manager
City of Santa Barbara
Aparenteau@santabarbaraCA.gov

Funding Opportunities

Laurel Rothschild, The Energy Coalition

Grant Working Group Updates



Grant Name	Regional Park Program (RPP)	Clean Water State Revolving Fund (CWSRF) Program – Water/Energy Audit
Description	CA Dep. of Parks and Rec. funding opportunity for public agencies looking to create, expand, or improve regional parks and regional park facilities.	CA State Water Resources Board funding for water and energy audits for local governments to identify potential inefficient water or energy use.
Award Amount/ Funding Available	Funding Available: \$23,125,000 Award Amount: \$200,000 - \$3,000,000 per applicant	Funding Available: \$2,000,000 Award Amount: \$35,000 max per applicant
Application Due Date	11/5/2021	Applications accepted on an ongoing basis.

 **More details available on tracker!**

Federal Funding: State & Local Governments



- \$1.9TR American Rescue Plan Act (ARPA) signed on March 11th
- State & Local Coronavirus Fiscal Recovery Funds: \$350B in direct, flexible aid to every state and local government
 - \$26B to State of California
 - \$7.66B to California counties
 - \$8.36B to California cities

State & Local Coronavirus Fiscal Recovery Funds



- Payment Schedule:
 - Payment to each state to be made within 60 days of providing certification. Treasury can withhold up to 50% of amount for up to 12 months
 - Local government funds to be made in 2 tranches: 50% within 60 days of 3/11/2021 and 50% on 3/11/2022
 - Funds are available until December 31, 2024

State & Local Coronavirus Fiscal Recovery Funds (cont.)



- Eligible Uses of Funds:
 - Respond to COVID-emergency or its negative economic impact
 - Respond to workers performing essential work
 - Provide government services
 - Make investments in water, sewer or broadband infrastructure



Federal Funding: K-12 Schools

Bill	Signed	K-12 Allocation	Must Spend By
CARES Act	3/27/2020	\$13.5B	12/30/2021
December Relief Act	12/27/2020	\$54.3B	9/30/2022
ARPA Elementary & Secondary School Emergency Relief Fund (ARP ESSER)	3/11/2021	\$122.0B	9/30/2023

Estimated total from all relief bills for California
K-12 Schools → \$26.4B

State Funding: K-12 Schools AB 841 Schools EE Stimulus



- AB 841 was signed in Sept 2020 and authorized the School Energy Efficiency Stimulus (SEES) Program
- Total Funding: approx \$750 million over three years (2021-2023)
- CEC is the program administrator.
 - In coordination with IOU fundings the program and CPUC
- >25% designated for “underserved”

AB 841: Schools EE Stimulus (Cont.)



SEES includes 2 grant programs:

1. School Reopening Ventilation and EE Verification and Repair (SRVEVR, 75% of funds)
 - a. Grants to assess, maintain, adjust, repair, or upgrade HVAC systems.
 - b. Includes continuous CO₂ monitoring to ensure proper ventilation is maintained.
2. School Noncompliant Plumbing Fixture and Appliance (SNPFA, 25% of funds)
 - a. Grants to replace inefficient water fixtures and appliances

Proposed Federal Funding: American Jobs Plan



NOT YET PASSED. PLAN RELEASED 3/31/2021

- \$2.3TR infrastructure package → “Largest American jobs investment since World War II”
- Includes funding for:
 - Repairing roads, bridges and public transit, as well as install more than 500K EV charging ports
 - Building, preserving, and retrofitting more than 2M homes and commercial buildings, modernize schools and child care facilities, and upgrade veterans’ hospitals and federal buildings
 - More resilient infrastructure (\$50B) with a focus on defending vulnerable communities.
 - \$180B for research, development, and technology demonstrations
 - \$35B for climate-focused innovation
 - To create EE and Clean Electricity Standard

Proposed State Legislation



Bill Name	AB 418 Community Power Resiliency Grant Program	SB 99 The Community Energy Resilience Act of 2021	AB 1325 Energy Resilience & Equity Act
Detail	Establishes the Program to be administered by the Office of Emergency Services, to support local governments in priority areas including schools. Emergency plan must include power outages.	Calls for the creation of a new technical assistance and grant program administered by the CEC to help local governments develop clean energy resilience plans, working in collaboration with utilities, prioritizing enhanced resilience for low-income communities.	Requires the CPUC to develop and implement a Clean Community Microgrid Incentive Program by 2022 to fund community microgrids that support the critical needs of vulnerable communities that utilize distributed energy resources for the generation of electricity.
Funding	\$100,000,000	TBD	TBD
Status	Set for April 5th hearing in Committee	Set for April 19 hearing in Senate Energy Committee	Referred to Assembly Energy Committee



Breakout Room Discussion

- COVID check-in → one year later
- What project or initiative have you been able to move forward?
- What is still stalled or not funded?

Closing Remarks

Minh Le, Los Angeles County



Energy Resiliency in Southern California

Reenergizing Communities

- SoCalREN's new podcast *ReEnergizing Communities* has launched!
- Currently available on [Spotify](#) and [Apple Podcasts](#) platforms
- Give it a listen when you get a chance and let us know if you have any feedback and/or ideas for future episodes
- And, if you feel so inclined, give the podcast a rating on either platform!

SoCalREN Social



Don't forget to follow SoCalREN on social media!



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pany/southern-
california-regional-
energy-network](https://www.linkedin.com/company/southern-california-regional-energy-network)



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Online Resource for Advisory Committee Members



Advisory Committee



Working Group Updates

As needed documents such as operating structure, meeting minutes and opportunity trackers.

[More Info](#)



Regulatory Reports

Monthly regulatory reports and proceeding updates.

[More Info](#)



Advisory Committee Meeting Materials

Quarterly meeting materials such as agendas, minutes, presentations and other supporting documents.

[More Info](#)

Proposed 2021 Meeting Schedule



Quarter	Date	Time
Q1	April 7th	10:30 am - 12 pm
Q2	June 23rd	11 am - 1 pm
Q3	September 22nd	11 am - 1 pm
Q4	December 15th	11 am - 1 pm

Please take a minute to complete our [Q1 Meeting Survey!](#)