



SOUTHERN CALIFORNIA
ASSOCIATION OF GOVERNMENTS
900 Wilshire Blvd., Ste. 1700
Los Angeles, CA 90017
T: (213) 236-1800
www.scag.ca.gov

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Transportation
Cheryl Viegas-Walker, El Centro

SPECIAL MEETING

EMERGING TECHNOLOGIES COMMITTEE

Please Note Date and Time
Wednesday, July 24, 2019
9:00 a.m. – 11:00 a.m.

SCAG MAIN OFFICE
900 Wilshire Blvd., Ste. 1700
Policy Room B
Los Angeles, CA 90017
(213) 236-1800

See Next Page for Other Meeting Locations

If members of the public wish to review the attachments or have any questions on any of the agenda items, please contact Tess Rey-Chaput at (213) 236-1908 or via email at REY@scag.ca.gov. Agendas & Minutes are also available at: www.scag.ca.gov/committees

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Emerging Technology Committee
List of Members Participating at SCAG Offices* and Other Meeting Locations

Date: Wednesday, July 24, 2019
Time: 9:00AM – 11:00AM
Location: 900 Wilshire Boulevard, Suite 1700 – Policy Room B
Los Angeles, CA 90017

TELECONFERENCE INSTRUCTIONS & INFORMATION PURSUANT TO GOVERNMENT CODE §54953.
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- 1. Sup. Curt Hagman**
San Bernardino County

1170 West 3rd Street, Suite 140
San Bernardino, CA 92410
- 2. Hon. Sean Ashton**
City of Downey

SCAG Main Office*
900 Wilshire Blvd., Suite 1700
Los Angeles, CA 90017
- 3. Hon. Stacy Berry**
City of Cypress

City of Cypress
5275 Orange Avenue
Cypress CA 90630
- 4. Hon. Drew Boyles**
City of El Segundo

City of El Segundo City Hall
350 Main Street
El Segundo, CA 90245-3895
- 5. Hon. Leslie Daigle**
City of Newport Beach

SCAG Main Office*
900 Wilshire Blvd., Suite 1700
Los Angeles, CA 90017
- 6. Hon. Margaret Finlay**
City of Duarte

SCAG Main Office*
900 Wilshire Blvd., Suite 1700
Los Angeles, CA 90017
- 7. Hon. Jan Harnik**
Riverside County Transportation Commission

Coachella Valley COG
73-710 Fred Waring Dr., Suite 200
Palm Desert, CA 92260
- 8. Hon. Steve Manos**
Lake Elsinore

City of Lake Elsinore City Hall
130 S. Main Street, Lake Elsinore, CA
92530, Conference room B
- 9. Hon. Carol Moore**
City of Laguna Woods

SCAG Main Office*
900 Wilshire Blvd., Suite 1700
Los Angeles, CA 90017
- 10. Hon. Frank Navarro**
City of Colton

Colton City Hall
650 N. La Cadena Drive
Colton, CA 92324-2853



Emerging Technology Committee
List of Members Participating at SCAG Offices* and Other Meeting Locations

Date: Wednesday, July 24, 2019
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Location: 900 Wilshire Boulevard, Suite 1700 – Policy Room B
Los Angeles, CA 90017

- | | |
|--|--|
| 11. Sup. Luis Plancarte
Imperial County | Imperial County Regional Office
1503 N. Imperial Avenue, Suite 104
El Centro, CA 92243 |
| 12. Hon. David Pollock
City of Moorpark | SCAG Ventura Regional Office*
4001 Mission Oaks, Suite L
Camarillo, CA 93012 |
| 13. Hon. Jim Predmore
City of Holtville | SCAG Main Office*
900 Wilshire Blvd., Suite 1700
Los Angeles, CA 90017 |
| 14. Hon. Deborah Robertson
City of Rialto | |
| 15. Hon. Paul Rodriguez
City of Chino | SCAG Riverside Regional Office*
3403 10 th Street, Suite 805
Riverside, CA 92501 |
| 16. Hon. Cheryl Viegas-Walker
City of El Centro | |
| 17. Hon. Alan Wapner
SBCTA | DoubleTree by Hilton Hotel
600 N. El Paso Street
El Paso, TX 79901 |
| 18. Hon. Edward Wilson
City of Signal Hill | City of El Segundo City Hall
350 Main Street
El Segundo, CA 90245-3895 |
| 19. Hon. Frank Zerunyan
City of Rolling Hills Estates | SCAG Main Office*
900 Wilshire Blvd., Suite 1700
Los Angeles, CA 90017 |
| 20. Mr. Paul Marquez
Caltrans District 7 | SCAG Main Office*
900 Wilshire Blvd., Suite 1700
Los Angeles, CA 90017 |
| 21. Ms. Pam O'Connor
California Road Charge Technical Advisory Committee | SCAG Main Office*
900 Wilshire Blvd., Suite 1700
Los Angeles, CA 90017 |



EMERGING TECHNOLOGIES COMMITTEE
SPECIAL MEETING AGENDA

Southern California Association of Governments
900 Wilshire Boulevard, Suite 1700 – Policy Room B
Los Angeles, CA 90017
Wednesday, July 24, 2019
9:00AM – 11:00AM

CALL TO ORDER AND PLEDGE OF ALLEGIANCE

(The Honorable Supervisor Curt Hagman, Chair)

PUBLIC COMMENT PERIOD

Members of the public desiring to speak on items on the Special Meeting agenda must fill out and present a Public Comment Card to the Clerk prior to speaking. Comments will be limited to three (3) minutes per speaker. The Chair has the discretion to reduce the time limit based upon the number of speakers and may limit the total time for all public comments to twenty (20) minutes.

REVIEW AND PRIORITIZE AGENDA ITEMS

CONSENT CALENDAR

<u>Approval Items</u>	<u>Page No.</u>
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ACTION/DISCUSSION ITEM

2. Connect SoCal New Mobility Framework	11
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INFORMATION/DISCUSSION ITEMS

3. Research on Replacing Trips with Electronic Interaction: Telework, Co-work, Health and Learning	13
4. Emerging Technology Committee Potential Site Visit Locations	14

FUTURE AGENDA ITEM/S

ANNOUNCEMENT/S

ADJOURNMENT



Southern California Association of Governments
900 Wilshire Boulevard, Suite 1700, Los Angeles, California 90017
July 24, 2019

MINUTES OF THE MEETING
EMERGING TECHNOLOGIES COMMITTEE (ETC)
THURSDAY, APRIL 11, 2019

THE FOLLOWING MINUTES ARE A SUMMARY OF ACTIONS TAKEN BY THE EMERGING TECHNOLOGIES COMMITTEE (ETC).

The Emerging Technologies Committee (ETC) of the Southern California Association of Governments (SCAG) held its regular meeting at 900 Wilshire Boulevard, Suite 1700, Los Angeles, CA 90017. A quorum was present.

Members Present

Hon. Alan Wapner	<i>Ontario</i>	SBCTA
Sup. Curt Hagman		San Bernardino County
Hon. Deborah Robertson	<i>Rialto</i>	District 8
Hon. Paul Rodriguez	<i>Chino</i>	Member-at-Large
Hon. David Pollock	<i>Moorpark</i>	District 46
Sup. Luis Plancarte		Imperial County
Hon. Cheryl Viegas-Walker	<i>El Centro</i>	District 1
Hon. Carol Moore	<i>Laguna Woods</i>	OCCOG
Hon. Steve Manos	<i>Lake Elsinore</i>	District 63
Hon. Stacy Berry	<i>Cypress</i>	District 18
Hon. Jan Harnik		Riverside Co. Transp. Commission
Hon. Margaret E. Finlay	<i>Duarte</i>	District 35
Hon. Sean Ashton	<i>Downey</i>	District 25
Ms. Pam O'Connor		California Road Charge TAC

Member Not Present

Hon. Paul S. Leon	<i>Ontario</i>	President's Appointment
Hon. Frank Navarro	<i>Colton</i>	District 6
Hon. James Predmore		Imperial Co. Transp. Commission
Hon. Drew Boyles	<i>El Segundo</i>	District 40
Hon. Edward H.J. Wilson	<i>Signal Hill</i>	GCCOG
Hon. Frank Zerunyan	<i>Rolling Hills Estates</i>	SBCCOG
Mr. Paul Marquez		Caltrans District 7

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Staff Present

Joann Africa, Director Legal Services/Chief Counsel
Philip Law, Manager of Transit/Rail
Thomas Bellino, Associate Regional Planner
Vicki Hahn, Deputy Clerk of the Board

CALL TO ORDER AND PLEDGE OF ALLEGIANCE

The Honorable Alan D. Wapner, SCAG President called the meeting to order at 1:05PM, and led the Pledge of Allegiance.

President Wapner provided a summary of today's meeting that will include external speakers to provide an introduction of what is happening in the world of technology. President Wapner requested that enough time be permitted for an open forum to determine the areas the committee is interested in pursuing.

PUBLIC COMMENT PERIOD

There were no public comments.

INFORMATION/DISCUSSION ITEMS**1. Data Science Fellows**

Kevin Kane, SCAG staff introduced this item that included presentations showcasing the work of three of the four Data Science Fellows at SCAG. The Data Science Fellows Program is its second year and was initiated as a result of a generous grant received from Mr. Randall Lewis.

Justin DeWaele, LA County Department of Public Works, USC Public Administration presented on Dockless E-Scooters and Bicycles in LA County.

Haoyan Li, SCAG, USC Public Administration presented on Database Optimization and Scenario Planning Model Projects, Goods Movement and Modeling & Forecasting.

Maurice Taffola-Cunningham, City of Santa Ana, USC Public Administration presented on Dockless Mobility in the City of Santa Ana Adapting to an Emergent Policy Space

2. Future Communities Initiative Update

Kimberly Clark, SCAG staff presented on the SCAG Future Communities Initiative. Ms. Clark shared

that the Future Communities Initiative is SCAG's program to facilitate integration of data and new technologies into everyday decision making. SCAG's Future Communities Initiative is a 3-year, \$8 million initiative to advance priority projects.

Ms. Clark provided a PowerPoint presentation identifying the framework of the Future Communities Initiative, and outcomes from jurisdiction surveys and industry perspectives identified during the consultant roundtables to identify the needs of the region, and how SCAG can help to support those needs.

3. Three Revolutions

President Wapner welcomed Professor Dan Sperling, UC Davis to present to the committee on the work from his book, "Three Revolutions". Today's presentation was illustrative of the three transportation revolutions, automated, shared and electric vehicles from a policy setting perspective to identify what cities can and should be doing. Professor Davis informed that UC Davis has developed a Three Revolutions Policy Program, to help cities and states with adopting policies, and understanding the changes occurring in transportation.

Professor Sterling reviewed various "Three Revolutions" policy considerations the jurisdictions may want to consider including: subsidies and transit partnerships, planning and land use, decongestion pricing to favor pooling and electric vehicles, employer incentives for carpooling and regulatory, i.e., preferential parking and dedicated lanes.

4. Metro Connected and Automated Vehicle Plan

President Wapner welcomed Ed Alegre, Metro Senior Manager of Highway Programs. Mr. Alegre provided an illustrative presentation on Metro's soon to be released Connected Automated Vehicle (CAV) Plan. Information regarding the differences and similarities of connected and automated vehicles were shared. Metro has created an ITS Field Inventory Resource Sharing Tool (ITS FIRST). This tool will help to identify assets and inventory, and have the ability for surrounding cities in LA County to also enter their ITS assets into this program. This tool will be live for stakeholders in the next month.

Mr. Alegre shared on the joint technology program for goods movement that was launched approximately five years ago with Gateway Cities Council of Governments and reviewed the success of the partial automation of truck platooning utilizing CAV technology and other goods movement pilot programs at the Ports of Los Angeles and Long Beach.

5. Discussion of Potential Site Visits



Thomas Bellino, SCAG staff reviewed a list of potential site visits to be considered in the future. In the interest of time, committee members were encouraged to email any additional interested sites they'd like to visit to Tom Bellino, at bellino@scag.ca.gov.

For future agendas staff was asked to invite speakers in response to issues the committee has brought up for discussion.

FUTURE AGENDA ITEM/S

Following is a list of technology-based issues and potential sites that ETC members have expressed interest in learning more about and/or visiting: Balance between technology and human needs, E-Commerce v. Brick & Mortar, Electronic Waste, Hyperloop One, Housing Innovations, Impacts of Technology on the Workforce, Los Angeles Cleantech Incubator, U.S. Customs & Border Patrol movement of cargo through point of entry, Universal Income (Stockton), Water/Water Resources facilities related to conservation and reuse.

ANNOUNCEMENT/S

President Wapner shared the mission of the ETC as twofold. First to serve as an advisory committee to the three policy committees, Community Economic and Health Development (CEHD), Energy and Environment Committee (EEC), Transportation Committee (TC) and to the Legislative/Communications & Membership Committee (LCMC). The second mission for ETC is to proactively identify new technologies coming forward that will support SCAG initiatives.

President Wapner announced that Supervisor Curt Hagman, County of San Bernardino has been appointed as Chair for the Emerging Technologies Committee.

ADJOURNMENT

There being no further business, President Wapner adjourned the ETC meeting at 3:00PM.

[MINUTES ARE UNOFFICIAL UNTIL APPROVED BY THE EMERGING TECHNOLOGIES COMMITTEE]

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Respectfully submitted,

Vicki Hahn, CMC
Deputy Clerk of the Board



Emerging Technologies Committee Attendance Report																
2019																
MEMBERS	Start Date if after 1/1/19	CITY	Representing	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total Mtgs Attended To Date
Supervisor Curt Hagman, Chair			San Bernardino County	1			1									2
Honorable Sean Ashton		Downey	RC District 25	1			1									2
Honorable Stacy Berry		Cypress	RC District 18	0			1									1
Honorable Drew Boyles		El Segundo	SBCCOG	1			0									1
Honorable Leslie Daigle	Jul-19	Newport Beach	OCCOG													0
Honorable Margaret E. Finlay		Duarte	RC District 35	1			1									2
Honorable Jan Harnick		Palm Desert	RCTC	1			1									2
Honorable Steve Manos		Lake Elsinore	WRCOG	0			1									1
Honorable Carol Moore		Laguna Woods	OCCOG	1			1									2
Honorable Frank Navarro		Colton	RC District 06	0			0									0
Supervisor Luis Plancarte			Imperial County	0			1									1
Honorable David Pollock		Moorpark	RC District 46	1			1									2
Honorable Jim Predmore		Holtville	ICTC	1			0									1
Honorable Deborah Robertson		Rialto	RC District 08	0			1									1
Honorable Paul Rodriguez		Chino	Member-at-large	1			1									2
Honorable Cheryl Viegas-Walker		El Centro	RC District 01	1			1									2
Honorable Alan Wapner		Ontario	SBCTA	1			1									2
Honorable Edward H. J. Wilson		Signal Hill	GCCCOG	0			0									0
Honorable Frank Zerynyan		Rolling Hills Estates	SBCCOG	1			0									1
Mr. Paul Marquez			Caltrans District 7	0			0									0
Ms. Pam O'Connor			CA Road Charge TAC	0			1									1



Southern California Association of Governments
900 Wilshire Boulevard, Suite 1700, Los Angeles, California 90017
July 24, 2019

To: Emerging Technologies Committee (ETC)

EXECUTIVE DIRECTOR'S
APPROVAL

From: Thomas Bellino, Associate Regional Planner, Transit and Rail,
Transit/Rail, 213.236.1830, bellino@scag.ca.gov

Subject: Connect SoCal New Mobility Framework

RECOMMENDED ACTION:

Provide feedback to staff and pending recommendation, direct staff to present the proposed policy framework to the Transportation Committee for consideration in Connect SoCal, the 2020 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS).

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 1: Produce innovative solutions that improve the quality of life for Southern Californians. 2: Advance Southern California’s policy interests and planning priorities through regional, statewide, and national engagement and advocacy. 4: Provide innovative information and value-added services to enhance member agencies’ planning and operations and promote regional collaboration.

EXECUTIVE SUMMARY:

Staff will present a matrix that can serve as a framework with which to view potential policies and strategies to assess new technologies in the region. These policies represent examples that SCAG could assist local jurisdictions in adopting as part of the implementation of the plan.

BACKGROUND:

Emerging technology is a topic of intense speculation and interest at the regional planning level. Numerous popular press and academic articles have advanced the argument that the transportation sector is currently experiencing a period of changing transportation that has not been seen since the first decades of the previous century. Like that period, changes are now predominantly driven by private sector companies. In addition, the companies driving these changes are doing so through disruptive business models.

At the state, regional and local levels, public agencies have begun to develop and implement policies that encourage technological innovation, and concurrently set boundaries regarding public safety, use of the public right-of-way and more transparency with regards to data sharing. Larger cities in particular have learned valuable lessons since the sudden advent of TNCs took them

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completely by surprise. Many large cities across the state are working together on data platforms, which facilitate partnerships between technology innovators and the public sector.

Jurisdictions in the SCAG region should work on developing customized frameworks for working with and anticipating technological change such as this. These frameworks allow cities and other public agencies to meet with emerging technology providers and assess whether the service benefits the jurisdiction beyond the novelty factor of hosting a new product. Cities in the SCAG region should continue to consider how these new services benefit residents. In addition, to avoid a future in which the SCAG region suffers from increased congestion and GHG emissions, reduced active transportation and compromised livable communities, the region should encourage adoption of policies that encourage what has been described as the Three Revolutions: Electrification, Sharing, and Automation.

In addition to the examples cited earlier, SCAG has prepared a set of recommended policies. These policies represent examples that SCAG could assist local jurisdictions in adopting as part of implementation of the plan. These policies are recommendations that would need to be customized and adopted by local jurisdictions. They have been organized into three policy areas:

Land Use Policies - reflect collaborative ideas, incentives and regulations that local jurisdictions could adopt to shape how emerging technologies interact with the built environment and urban design.

Street Design Policies - reflect concepts that local jurisdictions and transportation agencies could partner to implement, which would guide how emerging technologies operate in the public right of way and the curb zone.

Pricing/System Management Policies - comprise the most effective and challenging policies for influencing how users will choose to use emerging technologies in different urban and suburban settings.

This matrix can help policymakers frame their initial reactions and policy solutions to both challenges and opportunities that arise from new technologies that enter our region.

FISCAL IMPACT:

Funding to support work on this report is included in 010.1631.02 (FY 19/20 OWP).

ATTACHMENT:

[Emerging Technology Policy Matrix will be provided at the meeting.]

[PowerPoint will be provided at the meeting.]



Southern California Association of Governments
900 Wilshire Boulevard, Suite 1700, Los Angeles, California 90017
July 24, 2019

To: Emerging Technologies Committee (ETC)

EXECUTIVE DIRECTOR'S
APPROVAL

From: Thomas Bellino, Associate Regional Planner, Transit and Rail,
Transit/Rail, 213.236.1830, bellino@scag.ca.gov

Subject: Research on Replacing Trips with Electronic Interaction:
Telework, Co-work, Health, and Learning

RECOMMENDED ACTION:

For Information Only – No Action Required

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 1: Produce innovative solutions that improve the quality of life for Southern Californians. 2: Advance Southern California’s policy interests and planning priorities through regional, statewide, and national engagement and advocacy. 4: Provide innovative information and value-added services to enhance member agencies’ planning and operations and promote regional collaboration.

EXECUTIVE SUMMARY:

Staff will present on the findings of a consultant partnership called SCAG Future Communities Study: Future of the Workplace. This presentation will include forecasted impacts of teleworking, co-working, health (telemedicine), and learning changes that will come about from emerging technologies, particularly telecommunications.

BACKGROUND:

Committee members expressed interest in learning about and discussing the impacts technology will have on workplaces and services throughout the region. Kevin Kane is the staff expert on this topic, and will present findings as well as answer questions and facilitate a discussion on the topic.

FISCAL IMPACT:

None.

ATTACHMENT:

[PowerPoint presentation will be provided at the meeting]

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Southern California Association of Governments
900 Wilshire Boulevard, Suite 1700, Los Angeles, California 90017
July 24, 2019

To: Emerging Technologies Committee (ETC)

EXECUTIVE DIRECTOR'S
APPROVAL

From: Thomas Bellino, Associate Regional Planner, Transit and Rail,
Transit/Rail, 213.236.1830, bellino@scag.ca.gov

Subject: Emerging Technology Committee Potential Site Visit Locations

RECOMMENDED ACTION:

For Information Only – No Action Required

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 1: Produce innovative solutions that improve the quality of life for Southern Californians. 2: Advance Southern California’s policy interests and planning priorities through regional, statewide, and national engagement and advocacy. 4: Provide innovative information and value-added services to enhance member agencies’ planning and operations and promote regional collaboration.

EXECUTIVE SUMMARY:

SCAG staff Tom Bellino will present five options for sites that the committee members might visit in the next year: The Boring Company in Hawthorne; the Orange County Groundwater Replenishment Plant in Anaheim; the Carlsbad Desalination Plant in Carlsbad, CA; Hope on Alvarado container housing in Los Angeles; and the Los Angeles Cleantech Incubator (LACI) in Los Angeles. There will be time for discussion among the committee members, questions to staff and reaching a consensus on which sites to pursue first. Staff will then plan visit(s) based on the discussion.

BACKGROUND:

Since the formation of this committee, members have expressed a desire to visit sites within and outside the region that could serve as examples of innovative infrastructure and services that will help people adjust to the ever-changing technological landscape. At the last meeting, committee members expressed a desire to consider additional non-transportation examples, including housing and water, and directed staff to return with a wider range of options. This presentation reflects that refinement.

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FISCAL IMPACT:

The fiscal impact can be calculated when the sites have been selected. Funding is available in the FY2019/20 budget.

ATTACHMENT(S):

1. Potential ETC Site Visits for July 24, 2019 Meeting

Emerging Technology Committee

Potential Site Visits

Tom Bellino
Associate Regional Planner
7/24/19



The Boring Company



- Tunnel boring and research site
- Owned and run by Elon Musk
- Has built a test tunnel, opened to press in 2019
- Located in: Hawthorne
- Innovation: Cheap and fast tunnel-boring technology could be used for sewers, utilities, passenger rail/track

Orange County Groundwater Replenishment Plant



- The largest water purification system in the world
- Includes treatment plant, lake that recharges and releases water
- Opened in 1994, expanded in 2013
- Enough water for 500,000 people
- Located in: Anaheim
- Innovation: Groundwater replenishment is a cheaper and more sustainable option than desalination

Carlsbad Desalination Plant



- Seawater desalination plant
- Opened in 2016
- Owned by Poseidon Water, a public-private partnership
- Can supply water for 400,000 people
- Located in Carlsbad, CA
 - Not in region
- Innovation: Desalination presents virtually limitless (though expensive) potential for potable water

Hope on Alvarado



- Shipping container housing
- Transitional, supportive housing for unhoused people
- Began construction in Jan. 2019, completion set for Nov./Dec. Model unit available sooner.
- Located in Westlake, Los Angeles
- Innovation: Container housing is cheap and very fast to build – this project will be under construction for less than one year

Los Angeles Cleantech Incubator (LACI)



- Nonprofit that encourages the commercialization of clean technologies
- Founded by City of LA, LADWP
- Includes training and prototyping center
- Located in Arts District, Los Angeles
- Innovation: Incentivizes and facilitates new ways of making clean tech viable, could make LA a hub for clean tech industry

Discussion/Ranking



- Discussion/questions
- Top choices to pursue
 - Short term (rest of this year)
 - Longer term (next year)

Thank you

Tom Bellino

bellino@scag.ca.gov

213-236-1830

