Western Riverside Council of Governments
Technical Advisory Committee

AGENDA

Thursday, March 16, 2017
9:30 a.m.

County of Riverside
Administrative Center
4080 Lemon Street
5th Floor, Conference Room C
Riverside, CA 92501

In compliance with the Americans with Disabilities Act and Government Code Section 54954.2, if special assistance is needed to participate in the Technical Advisory Committee meeting, please contact WRCOG at (951) 955-8320. Notification of at least 48 hours prior to meeting time will assist staff in assuring that reasonable arrangements can be made to provide accessibility at the meeting. In compliance with Government Code Section 54957.5, agenda materials distributed within 72 hours prior to the meeting which are public records relating to an open session agenda item will be available for inspection by members of the public prior to the meeting at 4080 Lemon Street, 3rd Floor, Riverside, CA, 92501.

The Technical Advisory Committee may take any action on any item listed on the agenda, regardless of the Requested Action.

1. CALL TO ORDER (Gary Nordquist, Chairman)

2. ROLL CALL

3. PLEDGE OF ALLEGIANCE

4. PUBLIC COMMENTS

At this time members of the public can address the Technical Advisory Committee regarding any items with the subject matter jurisdiction of the Committee that are not separately listed on this agenda. Members of the public will have an opportunity to speak on agendized items at the time the item is called for discussion. No action may be taken on items not listed on the agenda unless authorized by law. Whenever possible, lengthy testimony should be presented to the Committee in writing and only pertinent points presented orally.

5. CONSENT CALENDAR

All items listed under the Consent Calendar are considered to be routine and may be enacted by one motion. Prior to the motion to consider any action by the Committee, any public comments on any of the Consent Items will be heard. There will be no separate action unless members of the Committee request specific items be removed from the Consent Calendar.

A.	**Summary Minutes from the February 16, 2017, Technical Advisory Committee meeting are available for consideration.**			**P. 1**

Requested Action: *1. Approve Summary Minutes from the February 16, 2017, Technical Advisory Committee meeting.*

B.	**Finance Department Activities Update**	***Ernie Reyna***	**P. 11**

Requested Action: *1. Receive and file.*

C.	**Financial Report Summary through January 2017**	***Ernie Reyna***	**P. 13**

Requested Action: *1. Receive and file.*

D.	**Western Riverside Energy Leader Partnership Update**	***Tyler Masters***	**P. 19**

Requested Action: *1. Receive and file.*

E.	**Environmental Department Activities Update**	***Dolores Sanchez Badillo***	**P. 33**

Requested Action: *1. Receive and file.*

F.	**Clean Cities Coalition Activities Update**	***Christopher Gray***	**P. 37**

Requested Action: *1. Receive and file.*

G.	**PACE Program Activities Update**	***Barbara Spoonhour***	**P. 41**

Requested Action: *1. Receive and file.*

H.	**Public Service Fellowship Program Activities Update**	***Crystal Adams***	**P. 47**

Requested Action: *1. Receive and file.*

I.	**Community Choice Aggregation Program Activities Update**	***Barbara Spoonhour***	**P. 49**

Requested Action: *1. Receive and file.*

J.	**Regional Homelessness Dialogue**	***Jennifer Ward***	**P. 57**

Requested Action: *1. Receive and file.*

K.	**International City / County Management Association Activities Update**	***AJ Wilson, California Senior Advisor***	**P. 63**

Requested Action: *1. Receive and file.*

L.	**Approval of Professional Services and Contractor Agreement with WSP Parsons Brinckerhoff, Inc. to provide TUMF Program technical support**	**P. 75**

Requested Action: *1. Recommend the Executive Committee approve the Tenth Amendment to the Professional Services Agreement between the*

Western Riverside Council of Governments and WSP Parsons Brinckerhoff, Inc., to provide TUMF Program technical support in an amount not to exceed $79,824 for the fiscal year and $1,916,437 in total.

M. Option to Develop a Subregional Sustainable Communities Strategy as part of SCAG's Regional Transportation Plan **P. 85**

Requested Action: *1. Recommend to the Executive Committee that WRCOG elect not to pursue development of a Subregional Sustainable Communities Strategy for the 2020 Regional Transportation Plan Cycle and direct the Executive Director to transmit notification of this decision to SCAG.*

6. REPORTS/DISCUSSION

A. Enhanced Infrastructure Financing Districts ***Dan Carrigg, League of California Cities*** **P. 87**

***Requested Action*:** *1. Receive and file.*

B. Transportation Uniform Mitigation Fee (TUMF) Program Activities Update ***Christopher Gray, WRCOG*** **P. 89**

Requested Action: *1. Appoint three members of the Technical Advisory Committee to serve on the TUMF Program Ad Hoc Committee.*

C. Regional Streetlight Program Activities Update ***Tyler Masters, WRCOG*** **P. 101**

Requested Action: *1. Receive and file.*

D. Report from the League of California Cities ***Erin Sasse, League of California Cities*** **P. 127**

Requested Action: *1. Receive and file.*

7. REPORT FROM THE EXECUTIVE DIRECTOR ***Rick Bishop***

8. ITEMS FOR FUTURE AGENDAS **Members**

Members are invited to suggest additional items to be brought forward for discussion at future Technical Advisory Committee meetings.

9. GENERAL ANNOUNCEMENTS **Members**

Members are invited to announce items/activities which may be of general interest to the Technical Advisory Committee.

10. NEXT MEETING: **The next Technical Advisory Committee meeting is scheduled for Thursday, April 20, 2017, at 9:30 a.m., in the County of Riverside Administrative Center, 5th Floor, Conference Room C.**

11. ADJOURNMENT

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1. CALL TO ORDER

The meeting of the Technical Advisory Committee was called to order at 9:37 a.m. by Chairman Gary Nordquist at the County of Riverside Administrative Center, 5th Floor, Conference Room C.

2. ROLL CALL

Members present:

Bonnie Johnson, City of Calimesa
Michele Nissen, City of Eastvale
Grant Yates, City of Lake Elsinore
Tom DeSantis, City of Moreno Valley
Kim Summers, City of Murrieta
Andy Okoro, City of Norco
Alex Nguyen, City of Riverside
Rob Johnson, City of San Jacinto
Aaron Adams, City of Temecula
Gary Nordquist, City of Wildomar (Chair)
Danielle Coats, Eastern Municipal Water District
Roger Meyer, Morongo Band of Mission Indians

Staff present:

Steve DeBaun, Legal Counsel
Rick Bishop, Executive Director
Ernie Reyna, Chief Financial Officer
Barbara Spoonhour, Director of Energy and Environmental Programs
Jennifer Ward, Director of Government Relations
Christopher Gray, Director of Transportation
Tyler Masters, Program Manager
Andrea Howard, Staff Analyst
Dolores Sanchez Badillo, Staff Analyst
Lupe Lotman, Executive Assistant
Janis Leonard, Executive Assistant

Guests present:

Brian Ambrose, City of Murrieta
Michelle Davis, City of Riverside
Emilio Ramirez, City of Riverside
Moises Lopez, City of Riverside
Araceli Ruiz, County of Riverside
Heidi Marshall, County of Riverside
Tricia Almiron, County of Riverside
Robin Reid, County of Riverside

3. PLEDGE OF ALLEGIANCE

Rob Johnson, City of San Jacinto, led the members and guests in the Pledge of Allegiance.

4. PUBLIC COMMENTS

There were no public comments.

5. CONSENT CALENDAR *(Johnson/Nissen) 12 yes; 0 no; 0 abstention. Items 5.A – 5.J were approved by a unanimous vote of those members present. The Cities of Banning, Canyon Lake, Corona, Hemet, Jurupa Valley, Menifee, and Perris, the County of Riverside, the Western Municipal Water District, and the March Joint Powers Authority were not present.*

A. Summary Minutes from the January 19, 2017, Technical Advisory Committee meeting.

Action: *1. Approved the Summary Minutes from the January 19, 2017, Technical Advisory Committee meeting.*

B. Finance Department Activities Update

Action: *1. Received and filed.*

C. WRCOG Financial Report Summary through December 2016

Action: *1. Received and filed.*

D. Regional Streetlight Program Activities Update

Action: *1. Received and filed.*

E. Western Riverside Energy Leader Partnership Update

Action: *1. Received and filed.*

F. Environmental Department Activities Update

Action: *1. Received and filed.*

G. Clean Cities Coalition Activities Update

Action: *1. Received and filed.*

H. PACE Program Activities Update

Action: *1. Received and filed.*

I. 2017/2018 Legislative Platform

Action: *1. Received and filed.*

J. BEYOND Framework Fund Program Activities Update

Action: *1. Received and filed.*

6. REPORTS/DISCUSSION

A. Transportation Uniform Mitigation Fee (TUMF) Program Activities Update

Christopher Gray reported that a draft Nexus Study is being reviewed internally and is anticipated to be released February 20, 2017. A comprehensive update was completed, and projects which do not meet the criteria to remain on the TUMF Network have been removed.

WRCOG is negotiating a settlement with the City of Beaumont to bring that City back into the TUMF Program. Because projects from Beaumont are being added onto the Network, this is causing a slight delay in the release of the Nexus Study. Given that there are projects Beaumont shares with its neighbors, these projects can now be fully funded. This will cause a small change in the fee. Vehicle Miles Traveled (VMT) is also being introduced in anticipation of new state guidelines concerning CEQA impacts.

The TUMF Program was developed as a supplemental revenue source to ensure new development pays its fair share towards future infrastructure. It is also a requirement of Measure A. More than 90 projects have been completed utilizing TUMF funds, totaling approximately $350 million. The TUMF funding on any given project is generally between one quarter to one half of a project's total funds, and has the Program has never contributed more than 75% of a total project's costs.

There is currently a state initiative to put more funding into transportation; however, most of it will be used for matters such as maintenance. TUMF projects will have to continue be funded the way they are currently. If the TUMF is scaled back, or fees are not increased, the financial burden will be placed on someone else by means of, for example, a sales tax measure, or development impact fee, or a community facilities district, etc. San Bernardino County does not have a TUMF Program, so it compensates by collecting more local transportation fees, and there are many more exactions.

The updated Nexus Study includes a growth forecast adopted by SCAG's Regional Council in April 2016; it has undergone a comprehensive review; it utilizes a VMT approach for residential and non-residential land-use types (something new to the Program); and includes updated data from SCAG and Riverside County regarding employee to square footage conversion.

Staff have been asked to research how a potential fee increase might affect future development. A completed comprehensive fee analysis indicates that TUMF represents a modest proportion of total development fees in the WRCOG subregion, with the exception of retail. The Ad Hoc Committee reviewed the findings from the fee analysis and recommends either freezing or phasing-in the retail and single-family land use fee increases.

If the Nexus Study is not approved, there are a number of facilities and transit projects which will not receive any funding. It has been determined that there are a number of developers which would actually benefit from a fee increase, because they are conditioned to build.

The draft Nexus Study is anticipated to be released later this week and will be available for review and comment for 45 days. A cover memo will accompany the draft Nexus Study addressing significant revisions, as well as a memo addressing key comments received by stakeholders during the draft 2015 Nexus Study comment period.

A number of member jurisdictions have asked if TUMF will be charged on government buildings, as this type of facility is listed within the Nexus Study. The answer is no; however, state law requires a legally defensible Nexus Study, which requires the documentation that government buildings are generating traffic, but are not included in the fee.

It is anticipated that the Executive Committee will take action on the Nexus Study in May 2017. Any change in fees will require adoption of ordinances and will take effect in August 2017.

Several member jurisdictions have asked how TUMF is administered. Supervisor Kevin Jeffries asked the Riverside County Transportation Commission (RCTC) to have discussions on potentially taking over the administration of the TUMF Program. RCTC has convened an Ad Hoc Committee consisting of elected officials to discuss.

The Executive Committee will be asked at its March meeting to convene a TUMF Program Ad Hoc Committee, consisting of the same composition of the Nexus Study Ad Hoc Committee, to also discuss the pros and cons of transferring of the Program.
Committee member Tom DeSantis asked what the potential advantage is in transferring the Program to RCTC.

Mr. Gray responded that Supervisor Jeffries is seeking efficiencies in the Program. There is a misconception of duplicative efforts by both RCTC and WRCOG. The program was designed to avoid duplication; WRCOG maintains the Nexus Study, and delivers TUMF dollars to jurisdictions and agencies for project prioritization and funding. RCTC allocates its TUMF to projects, and WRCOG's member jurisdictions allocate its respective TUMF to projects.

Staff believes this is a matter worth discussing. Having said that, 97% of TUMF is spent on projects, and a small percentage is kept by WRCOG for administration of the Program, e.g., funding of the Nexus and Fee Studies. But there are also other matters to discuss, such as the Zone structure and the types of projects listed on the Network.

Tricia Almiron indicated that staff has reported appropriately today. RCTC has created an Ad Hoc Committee to discuss this matter. WRCOG's Ad Hoc Committee will also discuss what the Program has done historically, where the Program is today, and what opportunities there may be in the future. There may or may not be room for efficiencies.

Mr. Gray added that the TUMF Program was created 13 years ago. Processes have been revised and improved over the years to make the Program run more efficiently. As long as the Program is complying with state law and Measure A, discussions on efficiencies should not be eliminated.

Rick Bishop indicated that there are only a few current elected officials who were in office when this Program was created. There are no current City Managers or Public Works Directors who were in those positions when the Program was created. So all of that historical knowledge regarding why the Program was created the way it is gone. It is not unfair to have discussions and review how the Program works. The Program was purposefully created to put expertise where it belongs. The Public Works Directors developed the Network. WRCOG was charged with ensuring the technical and legal aspects of the Program work. As funds are collected they are distributed to member agencies and to RCTC, which has the expertise on how to prioritize and program and build projects. So it is good to revisit how the Program works and inform all the new member agency representatives about how the Program was constructed.

Committee member Grant Yates indicated that approximately one year ago, several City Managers met with RCTC's Executive Director, Anne Mayer, to discuss the Program and to learn about CVAG's TUMF Program. Committee member Yates is in support of a top-to-bottom review of both Agencies' TUMF Program. As staff is going through this process, it will be important to tap into the expertise available, e.g., the Planning and Public Works Directors, and this Committee.

Mr. Gray indicated that even with all the available funding, there are still, at times, problems funding projects.

Committee member Michele Nissen asked for clarification on the various fee options.

Mr. Gray responded that the Nexus Study Ad Hoc Committee recommended freezing the fee for two years, and then phase-in the fee over the next two years. Staff have been reviewing historical TUMF levels, and the retail fee has never decreased. Other fees have decreased, such as single-family. Staff's recommendation will most likely be very similar to that of the Ad Hoc Committee.

The Service Fee category is primarily office, and there is actually a 50% discount currently applied to office development.

Committee member Nissen asked if there has been any consideration in adding an additional fee category that captures the difference between, for example, a light industrial park that resulted in a different use and a different trip generation than originally planned for.

Mr. Gray responded that there is language in the TUMF Administrative Plan detailing that if there is a change in use, no fee applies of that use generates the same number of trips. Many jurisdictions have interpreted this to mean that if the change generates more trips, then money is owed on the delta.

Committee member Rob Johnson asked if the proposed fee or the current fee would be frozen for the next two years.

Mr. Gray responded that the Ad Hoc Committee recommended freezing the current retail fee for two years, and then phase-in the proposed fee over two years. As the two-year freeze period comes to an end, a study will be prepared to re-examine the retail fee at that time. The impact to the Program with regard to phasing-in is very modest. Freezing the fee for one to two years will cost the Program $1 million to $2 million.

Mr. Bishop added that the Ad Hoc Committee is recommending to freeze the retail fee for two years, and then phase-in the fee over the next two years after that. The Executive Committee does not have to commit to the Ad Hoc Committee's recommendation, and has the right to revisit the fee every year.

Committee member Johnson indicated that by leaving the current fee in place, a city could potentially realize more sales tax, which the city could then put that funding into its own infrastructure.

Committee member DeSantis asked to what extent are the policy makers looking at this from a standpoint of promoting other fees.

Mr. Bishop responded that staff is frequently asked if the retail fee is reduced, can it be made up by increasing the single-family fee. The answer is no. If a jurisdiction does not charge the fee adopted by the Executive Committee, that jurisdiction must make up the difference, which is difficult.

Committee member DeSantis asked if a new restaurant opens one mile away from another, are the trips to the new restaurant reviewed as if the trips to the old restaurant never existed.

Mr. Gray responded that if a restaurant moves, a fee will be charged, because that old restaurant is still there; another restaurant could move into that building. Having said that, the fee used to be calculated on the number of trips. In retail, this generates many trips; however, they are shorter trips. This is being addressed through the Nexus Study. One approach CVAG is taking is to exempt small retail uses. There is no comparable group for retail.

While the Ad Hoc Committee was adamant about freezing the retail fee, and they were not on phasing-in the single-family fee. Every jurisdiction is different. The proposed increase to single-family is two-tenths of one percent of the total cost of a project. If a project cannot move forward because the cost goes up by two-tenths of one percent, then there are other issues in play.

If TUMF is not increased, funding will have to be made up other ways, e.g., a sales tax measure or a development impact fee. Modest fee increases are being recommended.

Mr. Bishop indicated that it is an approximate $800 increase. The fee has not been increased in eight years; this averages to $100 per year. The percentage increase of those being proposed are very small when spread out over the past eight years. This can also be attributed to the fact that a Construct Cost Index (CCI) increase has not occurred since 2009.
Mr. Gray added that if a CCI had occurred, the fees would have increased by 30% across the board.

Chairman Nordquist indicated that if fees are cut, projects will be reduced. We have to find ways to accommodate retail, office, and industrial. It is important to not let the TUMF Administration issues delay moving ahead with the Nexus Study.

Mr. Bishop indicated that RCTC agrees that this Committee needs to be a core piece of the discussion regarding administration of the Program. Perhaps this Committee can have a meeting within the next couple of months focusing on this matter only.

Action: 1. *Approved the Administration & Finance Committee recommendation to the Executive Committee to defer taking action on any potential changes to the TUMF Program until after adoption of the 2017 Nexus Study.*

(DeSantis/Johnson) 12 yes; 0 no; 0 abstention. Item 6.A was approved by a unanimous vote of those members present. The Cities of Banning, Canyon Lake, Corona, Hemet, Jurupa Valley, Menifee, and Perris, the County of Riverside, the Western Municipal Water District, and the March Joint Powers Authority were not present.

B. Community Choice Aggregation Program Activities Update

Barbara Spoonhour reported that a Community Choice Aggregation (CCA) Program is a hybrid between a municipality utility and an Investor Owned Utility. The feasibility study was recently finalized and included three different geographical models, which included three separate CCAs (one for each COG area), a two county model, and a single county model.

Last week the Administration & Finance Committee examined governance structures, the benefits and constraints of the various models, and whether or not a COG should even be involved. COG participation could include development of a Joint Powers Authority (JPA), making presentations promoting the JPA structure, and/or administering and overseeing the CCA in a variety of aspects.

With participation of a COG, implementation costs are very low because a COG can utilize existing resources. The larger the governance structure, the bulkier the CCA. A narrowed down CCA provides for more local control.

The Administration & Finance Committee has recommended that WRCOG pursue a one county model to include the WRCOG and CVAG subregions, and leave the door option for Riverside and San Bernardino Counties to join at a later date should they choose to do so. A CCA Ad Hoc Committee was created, composed of WRCOG staff, legal counsel, and CVAG staff to determine a governance structure outline, define COG roles, and how to move forward with outreach and marketing in each of the jurisdictions. Member jurisdictions must take action to become part of the CCA. Last month, the Executive Committee authorized the release of a Request for Proposals (RFP) for CCA services.

It takes between eight and 10 months to get a CCA up and running. The feasibility study was finalized last month; upcoming tasks include governance structure determination and operations.

Rick Bishop added that the Administration & Finance Committee recommended the one county model. CVAG has yet to provide its preference, nor has San Bernardino County. The RFP is intended to provide a better idea on what it would cost to contract out a CCA with a third party.

Committee member Alex Nguyen asked what the best governance structure is.

Mr. Bishop responded that we do not know. They study determined that a larger model will provide greater economies of scale in purchasing and staffing; however, is it also the bulkiest with regard to governance structure.

Committee member Tom DeSantis asked if there is any rough idea on the amount of savings that will be achieved.

Mr. Bishop responded that the feasibility study indicated that if the CCA performed the same mix of energy currently being provided by Southern California Edison, residents would experience an approximate 5% savings. A CCA providing a 50% mix of renewables, the rate of savings is approximately 3.5%.

Action: *1. Received and filed.*

C. Regional Homelessness Dialogue

Jennifer Ward reported that there are many initiatives and discussions being had on homelessness in Riverside County, such as the County's Continuum of Care, the County Executive Office's Homelessness Committee, the cities in Southwest Riverside County recently formed a Regional Homeless Alliance, CVAG has a longstanding committee that helped form Roy's Desert Resource Center, and a subgroup of this Committee which met, outside of the Committee structure, to delve into the details of this matter. As a regional forum, WRCOG continues to provide a platform to have these conversations.

A Statement of Principles was attached to the staff report, and includes potential commentaries on ways to address homelessness. The Principles were drafted by many of this Committee's members. These Principles are not intended to be mandatory requirements, but rather a commitment agreeing on a set of fundamental themes relating to regional homelessness. The end goal is to have member jurisdictions adopt these Principles. The Southwest Regional Homeless Alliance has adopted a similar charter.

Committee member Aaron Adams encouraged moving this dialogue forward to the Executive Committee. There are no jurisdictional boundaries for this social issue. The southwest cities are looking to adopt a uniform policy to help the enforcement level and education effort, and to collaborate with faith-based groups. The City of Temecula is challenged geographically with flood control properties, which are prime encampment areas. The City has drafted an agreement that would allow the Riverside County Flood Control to subordinate permission to the City to abate encampments in those areas. The City then sends an invoice to Flood Control for reimbursement of costs.

Committee member Grant Yates indicated that the City of Lake Elsinore is working on a similar agreement with Caltrans. In addition to the Statement of Principles, it is also important to work with property owners.

Committee member Adams indicated that one of the missing pieces is mental health and substance abuse clinical professionals who can help with the transition from off the street.

Alex Nguyen indicated that if each city operates under the Statement of Principles, there will be consistency from city to city.

Ms. Ward indicated that there is a potential for WRCOG to be involved by providing the regional forum for this discussion to continue, and to serve as a clearing house of information.

Committee member Yates indicated that the outreach done by the Cities of Riverside and Temecula should be highlighted and shared as best practices.

Committee member Adams indicated that a few years ago that he and his staff met with a subcommittee Councilmembers to discuss the city's philosophy and that's how "Responsible Compassion" was created. So during these upcoming discussions it will be important to talk about what the public information will look like.

Action: *1. Recommended moving this item forward to the Executive Committee for further discussion.*

(Yates/DeSantis) 12 yes; 0 no; 0 abstention. Item 6.C was approved by a unanimous vote of those members present. The Cities of Banning, Canyon Lake, Corona, Hemet, Jurupa Valley, Menifee, and Perris, the County of Riverside, the Western Municipal Water District, and the March Joint Powers Authority were not present.

D. Report from the League of California Cities

Erin Sasse reported that if a city remains silent on the recreational use of marijuana, that silence could be interpreted by the State that it is allowed. So city ordinances need to address both medical and recreational marijuana. Cities also need to send their regulations to all the state entities that are doing the regulations. In addition to sending in regulations and ordinances, an Executive Summary also needs to be provided so that a civil servant does not make their own interpretation.

SB 1 (as amended, Beall. Transportation funding) passed out of Senate yesterday and is being forwarded to the Environmental Quality Committee. This bill provides $6 billion for transportation; $2 billion goes to local governments, $2 billion goes to the States, $600 million for goods movement, and $550 million for transit.

The League is officially supporting SB 37 (Roth, Local government finance: property tax revenue allocations: vehicle license fee adjustments), which provides funding for the new cities. Cities are encouraged to send in letters of support.

Action alerts were recently sent out on SB 2 (as amended, Atkins. Building Homes and Jobs Act) and SB 3 (Leno. Minimum wage: in-home supportive services: paid sick days). SB 2 will help stabilize the housing trust fund and SB 3 will provide $3 billion for affordable housing. The League is requesting letters of support for both.

The League is supporting AB 18 (as amended, Eduardo Garcia. California Clean Water, Climate, Coastal Protection, and Outdoor Access For All Act of 2018), which provides money for parks and would provide $3 billion for park infrastructure investment; $900 million for poor park communities; $225 million to cities (the minimum each city would receive is $200,000); and $425 million for rehabilitation.

The League is not officially supporting SB 5 yet (as amended, De León. California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018).

The next Division dinner is scheduled for March 13, 2017, in the City of Indian Wells. Secretary Scott Kernan from the Department of Corrections will be speaking at the May 8, 2017, Division meeting, being hosted by the City of Riverside. The League's new Executive Director will also be at this meeting.

Committee member Danielle Coats asked what the sticking point on SB 5 is.

Ms. Sasse responded that the League is requesting additional information and clarification from the author before taking a position.

Barbara Spoonhour asked, with regard to SB 2, if the $75 fee will be attached to assessments.

Ms. Sasse responded she does not believe it will be; for all of the documents which come into the county, the county would be paying the fees so it would not be a burden on the cities.

Action: *1. Received and filed.*

7. REPORT FROM THE EXECUTIVE DIRECTOR

Barbara Spoonhour reported that WRCOG is moving its office to the Pacific Premier Bank building across the street.

8. ITEMS FOR FUTURE AGENDAS

There were no items for future agendas.

9. GENERAL ANNOUNCEMENTS

Committee member Danielle Coats announced that the Public Policy Institute of California will be the speaker at the next Water Task Force meeting scheduled for February 24, 2017.

Jennifer Ward announced that the Future of Cities conference is scheduled for March 15, 2017.

Committee member Michele Nissen announced that the City of Eastvale is hosting a California Competes workshop on February 25, 2017, and Assembly woman Sabrina Cervantes is the guest speaker.

Committee member Rob Johnson announced that on February 28, 2017, the Soboba Casino will have its ground breaking on its new hotel.

10. NEXT MEETING **The next Technical Advisory Committee meeting is scheduled for Thursday, March 16, 2017, at 9:30 a.m., in the County of Riverside Administrative Center, 5th Floor, Conference Room C.**

11. ADJOURNMENT **The meeting of the Technical Advisory Committee adjourned at 11:02 a.m.**

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Item 5.B

Western Riverside Council of Governments
Technical Advisory Committee

Staff Report

Subject: **Finance Department Activities Update**

Contact: **Ernie Reyna, Chief Financial Officer, reyna@wrcog.cog.ca.us, (951) 955-8432**

Date: **March 16, 2017**

***The purpose of this item is to** provide an update on the WRCOG audit of Fiscal Year 2015/2016, which resulted in a final Comprehensive Annual Financial Report issued on January 31, 2017. This report also provides an update on the next upcoming Agency budget amendment report, an update on the annual TUMF Audit for 2015/2016, and the RFP process of selecting financial auditors.*

Requested Action:

1. Receive and file.

Financial Audit

Financial auditors from Vavrinek, Trine, Day, & Co (VTD) have completed the financials of the Comprehensive Annual Financial Report (CAFR). The CAFR was issued with a report date of January 31, 2017, and it is anticipated that the Finance Directors' Committee will receive a report on the audit and financial statements at its March 23, 2017, meeting. The Administration & Finance Committee will receive the report at its April 12, 2017, meeting, the Technical Advisory Committee will receive the report at its April 20, 2017, meeting, and the Executive Committee will receive the report at its May 1, 2017, meeting.

Budget Amendment

March 31, 2017, will mark the end of the third quarter of Fiscal Year 2016/2017, and it is anticipated the Administration & Finance Committee will be presented with a budget amendment at its April 12, 2017, meeting. The Technical Advisory Committee will also consider the amendment report at its April 20, 2017, meeting. The Executive Committee will consider the amendment report at its May 1, 2017, meeting.

Annual TUMF Audit for Fiscal Year 2015/2016

Staff has completed the TUMF audits of each jurisdiction and the final reports were issued the final week of February of 2017. The TUMF audits allow staff to ensure that member agencies are correctly calculating and remitting TUMF funds in compliance with the TUMF Program.

Request for Proposal of New Auditors

WRCOG staff has utilized the services of VTD for financial auditing services for the past five years. WRCOG has released a Request for Proposals for future auditing services. Proposals from consultants are due to WRCOG by March 9, 2017. Staff will be forming an Audit Ad Hoc Committee and interviewing the top candidates. It is anticipated that staff will be presenting the recommended audit firm to the Administration & Finance Committee at its April 12, 2017, meeting and to the Executive Committee on May 1, 2017.

Prior Actions:

March 8, 2017: The Administration & Finance Committee received report.
March 6, 2017: The Executive Committee received report.

Fiscal Impact:

This item is informational only; therefore, there is no fiscal impact.

Attachment:

None.

Western Riverside Council of Governments
Technical Advisory Committee

Staff Report

Subject: **Financial Report Summary through January 2017**

Contact: **Ernie Reyna, Chief Financial Officer, reyna@wrcog.cog.ca.us, (951) 955-8432**

Date: **March 16, 2017**

The purpose of this item is to *provide a monthly summary of WRCOG's financial statements in the form of combined Agency revenues and costs.*

Requested Action:

1. Receive and file.

Attached for Committee review is the Financial Report Summary through January 2017.

Prior Actions:

March 8, 2017: The Administration & Finance Committee received report.
March 6, 2017: The Executive Committee received report.

Fiscal Impact:

This item is informational only; therefore there is no fiscal impact.

Attachment:

1. Financial Report Summary – January 2017.

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Item 5.C

Financial Report Summary through January 2017

Attachment 1

Financial Report Summary – January 2017

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Western Riverside Council of Governments
Monthly Budget to Actuals
For the Month Ending January 31, 2017

		Approved 6/30/2017 Budget	Thru 1/31/2017 Actual	Remaining 6/30/2017 Budget
	Revenues			
40001	Member Dues	309,410	306,410	3,000
42004	General Assembly	300,000	5,000	295,000
40601	WRCOG HERO	1,963,735	833,683	1,130,052
40602	SCE Phase II	57,000		57,000
40603	CA HERO	7,615,461	4,216,360	3,399,101
40605	The Gas Company Partnership	62,000	41,031	20,969
40606	SCE WRELP	4,692	77,698	(73,006)
40607	WRCOG HERO Commercial	27,500	12,067	15,433
40609	SCE Phase III	10,643	10,634	9
40611	WRCOG HERO Recording Revenue	335,555	187,150	148,405
40612	CA HERO Recording Revenue	1,301,300	848,580	452,720
40614	Active Transportation	200,000	50,254	149,746
41201	Solid Waste	107,915	98,415	9,500
41401	Used Oil Opportunity Grants	290,227	264,320	25,907
41402	Air Quality-Clean Cities	228,000	161,750	66,250
40616	CCA Revenue	247,950	98,032	149,918
40617	Energy Admin Revenue	31,678	30,000	1,678
41701	LTF	701,300	701,250	50
43001	Commercial/Service - Admin (4%)	37,074	31,554	5,520
43002	Retail - Admin (4%)	142,224	53,533	88,691
43003	Industrial - Admin 4%)	128,446	97,671	30,775
43004	Residential/Multi/Single - Admin (4%)	1,067,271	421,795	645,476
43005	Multi-Family - Admin (4%)	224,983	58,994	165,989
43001	Commercial/Service	889,786	757,572	132,214
43002	Retail	3,413,375	1,284,794	2,128,581
43003	Industrial	3,082,710	2,344,105	738,605
43004	Residential/Multi/Single	25,614,514	10,122,809	15,491,705
43005	Multi-Family	5,399,595	1,415,859	3,983,736
	Total Revenues	**61,237,078**	**24,531,679**	**36,506,089**
	Expenditures			
	Wages and Benefits			
60001	Wages & Salaries	1,981,159	1,326,794	654,365
61000	Fringe Benefits	578,219	765,725	(187,506)
	Total Wages and Benefits	**2,619,378**	**2,092,519**	**526,859**
	General Operations			
63000	Overhead Allocation	1,520,636	906,895	613,741
65101	General Legal Services	450,949	417,812	33,137
65401	Audit Fees	25,000	15,300	9,700
65505	Bank Fees	25,500	113,979	(88,479)
65507	Commissioners Per Diem	46,950	30,750	16,200
73001	Office Lease	145,000	90,826	54,174
73003	WRCOG Auto Fuels Expense	678	353	325
73004	WRCOG Auto Maint Expense	33	33	0
73101	Special Mail Srvcs	1,500	1,028	472
73102	Parking Validations	3,755	3,115	640
73104	Staff Recognition	1,200	632	568
73107	Event Support	185,980	73,487	112,494
73108	General Supplies	21,021	9,749	11,272
73109	Computer Supplies	8,937	4,617	4,320

Western Riverside Council of Governments
Monthly Budget to Actuals
For the Month Ending January 31, 2017

		Approved 6/30/2017 Budget	Thru 1/31/2017 Actual	Remaining 6/30/2017 Budget
73110	Computer Software	13,705	24,222	(10,517)
73111	Rent/Lease Equipment	25,000	21,066	3,934
73113	Membership Dues	21,364	17,071	4,293
73114	Subcriptions/Publications	8,539	16,621	(8,082)
73115	Meeting Support/Services	14,809	5,109	9,700
73116	Postage	5,708	1,992	3,716
73117	Other Household Expenditures	2,523	3,101	(578)
73118	COG Partnership Agreement	40,000	17,772	22,228
73122	Computer Hardware	4,000	337	3,663
73126	EV Charging Equipment	49,605	49,605	0
73201	Communications-Regular	2,000	489	1,511
73203	Communications-Long Distance	1,200	133	1,067
73204	Communications-Cellular	11,802	6,715	5,087
73206	Communications-Comp Sv	18,271	42,558	(24,287)
73209	Communications-Web Site	15,600	1,174	14,426
73301	Equipment Maintenance - General	7,070	10,565	(3,495)
73302	Equipment Maintenance - Computers	8,151	14,264	(6,113)
73405	Insurance - General/Business Liason	73,220	73,020	200
73407	WRCOG Auto Insurance	1,570	1,570	-
73502	County RCIT	2,500	545	1,955
73506	CA HERO Recording Fee	1,636,855	883,065	753,790
73601	Seminars/Conferences	23,035	9,749	13,287
73605	General Assembly	300,000	2,125	297,875
73611	Travel - Mileage Reimbursement	21,920	9,831	12,089
73612	Travel - Ground Transportation	8,779	2,355	6,424
73613	Travel - Airfare	22,837	8,456	14,381
73620	Lodging	19,016	5,413	13,603
73630	Meals	10,633	5,186	5,447
73640	Other Incidentals	14,888	7,176	7,712
73650	Training	12,200	40	12,160
73703	Supplies/Materials	41,851	300	41,551
73706	Radio & TV Ads	44,853	41,133	3,720
XXXXX	TUMF Projects	38,399,980	20,908,433	17,491,547
85101	Consulting Labor	3,497,028	1,583,764	1,913,264
85102	Consulting Expenses	245,000	3,613	241,387
85180	BEYOND Expenditures	2,023,000	230,208	1,792,792
90101	Computer Equipment/Software	31,500	21,227	10,273
97005	Benefits Transfer Out	-	(339,003)	339,003
97001	Operating Transfer Out	(1,518,136)	(906,895)	(611,241)
	Total General Operations	**56,198,774**	**24,452,681**	**31,746,093**
	Total Expenditures	**58,818,152**	**26,545,200**	**32,272,952**

Ernie Reyna

Western Riverside Council of Governments
Technical Advisory Committee

Staff Report

Subject: **Western Riverside Energy Leader Partnership Update**

Contact: **Tyler Masters, Program Manager, masters@wrcog.cog.ca.us, (951) 955-8378**

Date: **March 16, 2017**

The purpose of this item is to *provide the Committee with information on the CPUC's recognition of WRELP, provide an update from the SCE/SoCal Gas Workshop and to provide an update on the upcoming California Green Summit that will be held on April 26 – 27, 2017.*

Requested Action:

1. Receive and file.

The Western Riverside Energy Leader Partnership (WRELP) responds to Executive Committee direction for WRCOG, Southern California Edison (SCE), and the Southern California Gas Company (SoCal Gas) to seek ways to improve marketing and outreach to the WRCOG subregion regarding energy efficiency. WRELP is designed to assist local governments to set an example for their communities to increase energy efficiency, reduce greenhouse gas emissions, increase renewable energy usage, and improve air quality.

WRELP Recognized by CPUC

The California Public Utilities Commission (CPUC) has released a report noted as the Nonresidential Energy Efficiency Depth of Retrofit and Cost Effectiveness Analysis Report (DORCE). Upon completion of this analysis, the CPUC listed WRELP as 6th out of the 166 energy programs in the State of California (Attachment 1).

The information was based on data from 166 non-residential resource programs from 2010-2015; the DORCE metric directly combines cost-effectiveness indicators of program performance with depth of savings indicators into a single metric. The metric quantitatively indicates how deeply a given program achieves savings with its participants as well as how cost-effectively it achieves those savings. The DORCE examined 1) cost effectiveness of energy projects, 2) savings achieved (kWh), and 3) depth of the energy retrofit.

The purpose of the CPUC creating this report was to provide a performance indicator to highlight the state of California's energy efficiency goals. The Governor's Executive Order B-30-15 establishes a California Greenhouse Gas reduction target of 40% below 1990 levels by the year 2030. The data that has been used to rank each energy program was based off information dating from 2010 – 2015.

WRELP was first established in 2010 with SCE and 11 WRCOG member jurisdictions. In 2013, SoCal Gas joined the partnership along with the City of Eastvale. At the start of 2017, both the Cities of Corona and Moreno Valley were transitioned into WRELP to further continue their goals of energy efficiency. To date, WRELP members have saved over 4.5 million kWh and this number will continue to rise as WRELP strives to continue its efforts in assisting its members with the implementation of energy efficiency projects and community outreach / education.

SCE / SoCal Gas Workshop

On March 1, 2017, SCE and SoCal Gas hosted a workshop open to all Local Government Partnerships (LGP) implementers to provide an overview on the upcoming updates to Programs that will be occurring within the year of 2017 and 2018. This event was held at the SoCal Gas Energy Resource Center (9240 Firestone Blvd., Downey, CA 90241).

At this event, LGP partners were informed of new programs that their member jurisdictions can participate in, funding opportunities, and residential / commercial programs. Topics of discussion at the event included the following:

- Program Updates: ELP Model Refresh and Strategic Plan
- Commercial Energy Efficiency Rebate/Incentive Programs & Measure Updates
- Savings By Design / Trade Pro
- Financing Overview: On Bill Financing (OBF) & On Bill Repayment (OBR)
- Charge Ready
- Third Party Programs and WISE (water)
- Street-lighting

The information obtained from this event will be provided to WRELP members in order to identify and facilitate programs of interest. At past meetings, WRELP members have expressed interests in funding opportunities to implement energy efficiency projects at their municipal facilities, residential / community programs, street lighting initiatives and information about SCE's Charge Ready Program.

Green Summit

On April 26 and 27, 2017, Green Technology will be hosting the Green California Summit to discuss various items of importance to local governments and educators. This event will be held at the Sacramento Convention Center (1400 J St, Sacramento, CA 95814).

At the Summit, attendees will learn about the innovations in policy, technology, and best practices from speakers. The goal of the Summit is to support the sustainability initiatives that the State of California has set and looks to accomplish. Further information about this forum can be found on the Green California website at http://www.green-technology.org/gcsummit17/index.html.

Prior Action:

March 6, 2017: The Executive Committee received report.

Fiscal Impact:

This item is informational only; therefore, there is no fiscal impact.

Attachment:

1. CPUC Program Ranking.

Item 5.D

Western Riverside Energy Leader Partnership Update

Attachment 1

CPUC Program Ranking

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A.4 PROGRAM RANKING

TABLE A-4: PROGRAM SCORE AND RESIDUAL RANKINGS

Itron Program ID	Itron Program Name	Score Rank					Residuals Rank				
		DORCE	Cost Effectiveness	Depth of Retrofit	Technologies Addressed	Savings Achieved	DORCE	Cost Effectiveness	Depth of Retrofit	Technologies Addressed	Savings Achieved
SCE-TP-033	Automatic Energy Review for Schools Program	1	5	30	31	33	5	3	24	92	6
SCG3716	SW-IND-Deemed Incentives	2	1	135	133	104	1	1	134	136	110
SCG3715	SW-IND-Calculated Incentives	3	2	115	112	89	22	18	86	54	98
SDGE3118E/ SDGE3222	SW-COM-Savings by Design	4	14	16	9	51	124	65	125	127	94
SCE-13-SW-002G	Savings by Design	5	22	10	32	11	25	50	17	25	22
SCE-13-L-002R	Western Riverside Energy Leader Partnership	6	149	1	113	1	3	68	2	117	1
PGE21019	Enhanced Automation Initiative	7	3	146	157	111	4	2	143	162	61
PGE21029	Refinery Energy Efficiency Program	8	4	159	126	162	8	6	124	64	144
PGE210118	Furniture Store Energy Efficiency	9	97	2	69	3	7	24	4	16	5
SCE-13-TP-005	Lodging EE Program	10	61	8	14	19	12	34	8	17	4
SDGE3117E	Energy Savings Bid (Encumbered)	11	7	112	99	103	51	13	130	114	133
SCE-13-TP-012	Refinery Energy Efficiency Program	12	13	66	56	69	14	16	21	21	32
PGE2110014	Department of Corrections and Rehabilitation	13	42	31	6	87	70	38	94	37	129
PGE210113	Energy Fitness Program	14	62	11	45	9	13	9	55	68	41
PGE21035	Dairy Energy Efficiency Program	15	55	15	20	24	9	21	5	8	7
SCE-13-L-002D	City of Santa Ana Energy Leader Partnership	16	115	5	105	2	41	78	27	99	29
SCE-13-SW-003C	Industrial Deemed Energy Efficiency Program	17	23	53	100	20	75	73	62	124	38
SDGE3226	SW-COM Direct Install	18	133	4	10	13	94	144	43	90	21

Itron Program ID	Itron Program Name	Score Rank					Residuals Rank				
		DORCE	Cost Effectiveness	Depth of Retrofit	Technologies Addressed	Savings Achieved	DORCE	Cost Effectiveness	Depth of Retrofit	Technologies Addressed	Savings Achieved
PGE210114	Energy Savers	19	87	9	67	4	78	85	90	61	91
SCE-13-L-003B	California Dept. Of Corrections and Rehabilitation EE Partnership	20	98	7	2	114	36	81	34	42	93
PGE210115	Rightlights	21	100	6	40	5	109	143	56	78	36
PGE210120	Monitoring-Based Commissioning	22	6	136	157	90	2	4	64	116	37
PGE21031	Agricultural Calculated Incentives	23	20	68	111	30	16	80	3	30	3
SCE-13-L-003F	State OF California Energy Efficiency Partnership	24	86	12	35	12	62	110	38	84	14
PGE211010	Fresno	25	71	32	58	17	37	19	65	75	51
SCG3710	SW-COM-Calculated Incentives	26	12	110	131	57	38	96	10	22	15
SCE-13-TP-006	Food & Kindred Products	27	24	73	43	98	53	30	54	62	62
PGE210122	Casino Green	28	60	34	7	95	100	17	149	143	134
SCE-13-L-002B	City of Long Beach Energy Leader Partnership	29	101	17	57	10	17	22	32	111	10
PGE210141	Lincus Commercial Mid-Market Program	30	164	3	2	62	56	103	51	129	8
PGE211025	Savings by Design (SBD)	31	18	103	117	58	45	42	93	57	122
PGE211012	Madera	32	84	26	52	16	39	25	50	48	64
SCE-13-L-003G	UC/CSU Energy Efficiency Partnership	33	88	28	4	140	136	83	148	160	114
SCG3719	SW-AG-Calculated Incentives	34	10	120	136	68	131	133	107	146	73
PGE211014	Mendocino County	35	132	13	62	6	49	88	44	72	42
SCE-TP-027	Monitoring-Based Commissioning	36	8	153	157	135	10	5	161	159	138
SCE-13-L-002T	West Side Energy Leader Partnership	37	135	14	13	38	90	102	48	43	50
PGE210111	Lodgingsavers	38	74	36	12	86	153	128	154	140	156
PGE211019	San Mateo County	39	114	22	39	21	76	64	69	89	43

Itron Program ID	Itron Program Name	Score Rank					Residuals Rank				
		DORCE	Cost Effectiveness	Depth of Retrofit	Technologies Addressed	Savings Achieved	DORCE	Cost Effectiveness	Depth of Retrofit	Technologies Addressed	Savings Achieved
PGE21021	Industrial Calculated Incentives	40	9	139	102	163	68	92	71	7	159
SDGE3220	SW-COM-Calculated Incentives-Calculated	41	11	126	121	107	54	46	75	34	108
PGE2110011	California Community Colleges	42	65	48	11	118	107	115	96	36	126
SCE-13-SW-002B	Commercial Calculated Program	43	25	90	82	84	71	59	98	52	103
PGE21032	Agricultural Deemed Incentives	44	15	119	110	106	31	7	141	100	150
SDGE3223	SW-COM-Deemed Incentives-Commercial Rebates	45	35	75	76	73	20	23	26	40	34
PGE2110051	Local Government Energy Action Resources (LGEAR)	46	138	19	41	15	47	97	28	49	33
PGE21022	Industrial Deemed Incentives	47	26	89	106	55	32	33	18	59	19
SCE-13-TP-014	Commercial Utility Building Efficiency	48	31	81	89	63	33	43	19	23	31
SCE-13-SW-002C	Commercial Deemed Incentives Program	49	39	74	92	53	44	26	84	80	74
SCE-13-L-002Q	Ventura County Energy Leader Partnership	50	143	18	65	8	74	120	41	77	28
PGE211021	Sierra Nevada	51	125	27	64	14	58	67	59	102	39
SCE-13-L-002G	Community Energy Leader Partnership	52	110	33	28	37	61	29	77	63	54
SCE-13-SW-003B	Industrial Calculated Energy Efficiency Program	53	21	108	85	116	110	132	68	19	117
SCE-13-SW-002D	Commercial Direct Install Program	54	140	21	24	28	128	141	114	44	132
SCE-13-L-002J	Desert Cities Energy Leader Partnership	55	134	24	23	34	117	136	78	31	107
PGE211022	Sonoma County	56	99	37	66	23	86	79	89	71	87
PGE2110012	University of California/California State University	57	54	61	26	97	139	91	135	123	106
PGE21038	Wine Industry Efficiency Solutions	58	70	54	27	72	77	94	63	51	60

Itron Program ID	Itron Program Name	Score Rank					Residuals Rank				
		DORCE	Cost Effectiveness	Depth of Retrofit	Technologies Addressed	Savings Achieved	DORCE	Cost Effectiveness	Depth of Retrofit	Technologies Addressed	Savings Achieved
SCE-TP-015	Industrial Gasses	59	58	59	15	124	34	49	29	15	100
PGE21027	Heavy Industry Energy Efficiency Program	60	41	78	37	130	108	130	23	14	77
PGE211023	Silicon Valley	61	109	35	46	32	73	69	73	96	48
SCE-13-L-003D	County of Riverside Energy Efficiency Partnership	62	137	29	91	7	83	162	9	45	16
PGE210310	Dairy Industry Resource Advantage Pgm	63	72	56	30	75	65	48	91	93	71
SCE-TP-031	Management Affiliates Program	64	107	39	21	54	93	111	83	50	85
PGE21018	Energysmart Grocer	65	28	102	73	117	30	20	101	125	58
SCE-13-TP-007	Primary and Fabricated Metals	66	38	91	60	112	69	89	39	39	76
PGE2227	Cement Production and Distribution Energy Efficiency	67	152	23	2	165	66	125	15	4	160
PGE210311	Process Wastewater Treatment EM Pgm For Ag Food Processing	68	44	83	118	43	21	44	13	28	11
PGE211015	Napa County	69	105	45	70	25	103	82	106	86	104
PGE21011	Commercial Calculated Incentives	70	32	101	86	94	59	86	25	10	56
SCE-13-L-002S	City of Adelanto Energy Leader Partnership	71	158	20	5	99	148	142	159	161	152
PGE211007	Association of Monterey Bay Area Governments (AMBAG)	72	113	43	54	35	52	45	53	73	44
PGE211016	Redwood Coast	73	121	40	42	39	114	104	99	60	101
SCE-13-TP-009	Comprehensive Chemical Products	74	53	72	48	93	96	123	52	47	86
SCE-TP-028	Monitoring-Based Persistence Commissioning Program	75	79	58	25	88	85	149	6	3	65
SCE-13-TP-018	School Energy Efficiency Program	76	92	51	79	31	146	139	137	131	136

Itron Program ID	Itron Program Name	Score Rank					Residuals Rank				
		DORCE	Cost Effectiveness	Depth of Retrofit	Technologies Addressed	Savings Achieved	DORCE	Cost Effectiveness	Depth of Retrofit	Technologies Addressed	Savings Achieved
PGE211020	Santa Barbara	77	123	42	18	61	72	72	95	55	128
SCE-13-SW-004B	Agriculture Calculated Energy Efficiency Program	78	45	84	139	26	80	113	31	147	13
PGE211011	Kern	79	130	38	22	52	88	95	104	70	120
SCE-13-L-002P	South Santa Barbara County Energy Leader Partnership	80	157	25	16	42	19	61	22	41	20
SCE-TP-037	Private Schools and Colleges Program	81	119	47	51	46	40	98	16	26	17
SCE-13-L-003E	County of San Bernardino Energy Efficiency Partnership	82	129	44	19	64	84	77	81	87	75
SCE-TP-0608	Coin Operated Laundry Program	83	136	41	71	22	152	151	131	121	97
SCE-13-L-003A	California Community Colleges Energy Efficiency Partnership	84	112	50	8	139	46	60	36	35	66
SCG3793	3P-IDEEA365-Instant Rebates! Point-OF-Sale Foodservice Rebate Program	85	52	82	157	18	119	100	119	109	119
PGE21017	Boiler Energy Efficiency Program	86	47	93	128	41	28	40	11	148	2
SCG3766	3P-SAVEGAS	87	16	143	157	108	87	41	136	132	137
PGE211009	East Bay	88	80	67	97	40	97	53	110	122	95
PGE21012	Commercial Deemed Incentives	89	34	114	96	109	15	14	46	38	84
PGE211024	San Francisco	90	118	55	87	27	130	114	109	115	88
SCE-13-TP-008	Nonmetallic Minerals and Products	91	48	94	47	146	113	117	85	33	140
SCG3711	SW-COM-Deemed Incentives	92	43	105	135	48	116	129	79	79	57
SCG3758	3P-Preps	93	91	64	36	92	6	56	1	1	18
PGE21026	Energy Efficiency Services For Oil Production	94	17	150	145	127	43	55	57	139	12
SCE-13-L-002L	Orange County Cities Energy Leader Partnership	95	85	71	109	36	145	66	157	88	162

Itron Program ID	Itron Program Name	Score Rank					Residuals Rank				
		DORCE	Cost Effectiveness	Depth of Retrofit	Technologies Addressed	Savings Achieved	DORCE	Cost Effectiveness	Depth of Retrofit	Technologies Addressed	Savings Achieved
SDGE3231	SW-IND-Calculated Incentives-Calculated	96	30	123	94	152	122	146	49	29	111
SDGE3233	SW-IND-Deemed Incentives	97	57	92	90	83	91	31	126	145	68
PGE211018	San Luis Obispo County	98	145	49	34	59	104	107	113	66	135
SCE-13-L-003C	County of Los Angeles Energy Efficiency Partnership	99	77	77	103	49	147	109	138	135	116
PGE210112	School Energy Efficiency	100	96	69	38	100	48	76	42	83	46
PGE211013	Marin County	101	124	60	72	47	121	84	127	113	124
SCE-13-TP-003	Healthcare EE Program	102	63	96	59	126	18	15	87	101	79
PGE210116	Small Business Commercial Comprehensive	103	49	109	114	79	129	135	103	138	53
SDGE3162	3P-NRes02 - SaveGas - Hot Water Control	104	19	147	157	115	26	37	47	104	27
SCG3757	3P-Small Industrial Facility Upgrades	105	40	122	122	91	158	161	121	157	52
PGE210126	K-12 Private Schools And Colleges Audit Retro	106	144	57	33	74	120	108	128	110	125
SCE-13-TP-011	Oil Production	107	27	134	116	137	79	75	60	56	82
PGE2110013	State of California	108	67	95	104	67	81	74	61	98	40
PGE2189	Cool Controls Plus	109	66	97	74	102	133	150	45	9	123
PGE210110	Monitoring-Based Persistence Commissioning	110	51	107	95	101	98	126	33	32	45
SDGE3221	SW-COM-Calculated Incentives-RCX	111	33	131	115	133	29	11	108	154	30
SCE-13-L-002E	City of Simi Valley Energy Leader Partnership	112	142	62	17	113	134	62	142	103	153
SCE-13-L-002K	Kern County Energy Leader Partnership	113	159	52	29	65	55	57	37	11	112
SCE-13-L-002C	City of Redlands Energy Leader Partnership	114	139	65	78	50	67	87	66	120	23

Itron Program ID	Itron Program Name	Score Rank					Residuals Rank				
		DORCE	Cost Effectiveness	Depth of Retrofit	Technologies Addressed	Savings Achieved	DORCE	Cost Effectiveness	Depth of Retrofit	Technologies Addressed	Savings Achieved
PGE21042	Lighting Innovation	115	37	130	147	81	11	8	20	46	26
SCE-13-L-002N	San Joaquin Valley Energy Leader Partnership	116	102	80	81	76	89	12	147	95	154
PGE21016	Air Care Plus	117	78	100	68	122	27	52	14	6	115
PGE21036	industrial Refrigeration Performance Plus	118	50	121	101	129	154	137	160	137	158
SCE-13-L-002H	Eastern Sierra Energy Leader Partnership	119	165	46	49	45	42	90	30	24	59
SCE-13-L-002M	San Gabriel Valley Energy Leader Partnership	120	104	87	93	70	137	36	158	69	163
SCE-13-L-002F	Gateway Cities Energy Leader Partnership	121	156	63	63	56	112	131	88	67	83
PGE21025	California Wastewater Process Optimization	122	69	111	119	77	106	124	67	27	55
PGE21028	Industrial Compressed Air Program	123	29	149	157	121	95	121	76	155	9
SCE-TP-025	Retail Energy Action Program	124	93	99	132	44	57	28	92	134	67
SCE-13-TP-021	Enhanced Retrocommissioning	125	83	104	61	151	63	112	12	2	146
SCE-13-TP-017	Energy Efficiency for Entertainment Centers	126	131	79	44	119	82	70	102	85	102
PGE2183	Comprehensive Retail Energy Management	127	82	106	75	132	24	10	82	12	141
PGE2201	California High Performance Lighting Program	128	103	98	157	29	159	157	139	165	78
PGE210125	California Preschool Energy Efficiency Program	129	154	70	53	85	138	148	120	106	118
PGE2198	Data Centers Cooling Controls Program	130	64	124	88	154	35	32	58	18	105
PGE2214	Energy Efficiency Program for Entertainment Centers	131	141	88	50	125	64	119	7	5	72
SCE-13-L-002O	South Bay Energy Leader Partnership	132	153	76	84	60	141	93	152	82	161

Itron Program ID	Itron Program Name	Score Rank					Residuals Rank				
		DORCE	Cost Effectiveness	Depth of Retrofit	Technologies Addressed	Savings Achieved	DORCE	Cost Effectiveness	Depth of Retrofit	Technologies Addressed	Savings Achieved
SCE-13-SW-004C	Agriculture Deemed Energy Efficiency Program	133	89	116	129	66	135	106	140	156	113
PGE210124	Ozone Laundry Energy Efficiency	134	59	129	157	80	115	118	72	107	47
PGE210131	PECI Aercx	135	151	85	55	110	99	140	35	76	25
SCE-13-TP-004	Data Center Energy Efficiency	136	90	118	98	128	127	71	146	105	147
PGE21039	Comprehensive Food Process Audit & Resource Efficiency Pgm	137	56	138	107	159	162	153	164	74	166
SDGE3239	SW-AG-Deemed Incentives	138	111	113	77	147	143	147	112	20	155
PGE2191	Medical Building Tune-Up	139	75	128	108	149	60	35	80	58	69
PGE210117	Energy-Efficient Parking Garage	140	76	132	134	96	150	155	115	108	90
SCG3720	SW-AG-Deemed Incentives	141	68	137	124	131	102	54	132	97	131
PGE2220	Assessment, Implementation, and Monitoring (AIM) Program	142	36	165	157	161	101	39	155	151	99
SCE-13-L-002A	City of Beaumont Energy Leader Partnership	143	161	86	80	82	123	101	133	144	96
SCE-13-SW-005B	Lighting Innovation Program	144	95	125	143	71	92	51	117	152	49
PGE210123	Healthcare Energy Efficiency Program	145	128	117	83	150	140	145	97	94	92
SCE-TP-008	Comprehensive Beverage Manufacturing & Resource Efficiency	146	46	161	157	155	126	58	162	150	149
PGE210133	Staples Low Pressure Irrigation Di	147	116	127	142	78	118	99	105	81	121
PGE210129	Nexant Aercx	148	120	133	120	123	50	63	40	13	109
PGE2204	SmartVent for Energy-Efficient Kitchens	149	73	157	157	143	23	27	70	128	24

Itron Program ID	Itron Program Name	Score Rank					Residuals Rank				
		DORCE	Cost Effectiveness	Depth of Retrofit	Technologies Addressed	Savings Achieved	DORCE	Cost Effectiveness	Depth of Retrofit	Technologies Addressed	Savings Achieved
PGE210128	Enovity Smart	150	94	151	140	136	144	158	116	126	81
SCE-13-TP-010	Comprehensive Petroleum Refining	151	126	140	126	144	155	160	118	119	80
SCE-13-SW-002F	Nonresidential HVAC Program	152	122	141	130	142	142	127	145	149	127
SDGE3224	SW-COM-Deemed Incentives-HVAC Commercial	153	117	145	123	153	125	122	111	65	142
PGE210119	LED Accelerator	154	106	154	146	138	165	163	165	164	164
PGE210210	Industrial Recommissioning Program	155	81	162	138	166	160	156	156	141	145
SCE-TP-018	Chemical Products Efficiency Program	156	108	152	157	134	151	138	129	153	63
SCE-13-TP-013	Cool Schools	157	146	144	127	148	105	47	123	91	139
SCE-13-TP-020	IDEEA365 Program	158	150	142	157	105	111	105	100	118	70
PGE21006/PGE21015	Commercial HVAC	159	127	158	137	156	161	164	144	112	143
SDGE3237	SW-AG-Calculated Incentives-Calculated	160	148	156	157	141	132	159	74	53	89
PGE2242	Cool Cash	161	155	148	157	120	156	165	122	158	35
PGE21037	Light Exchange Program	162	160	155	144	145	166	154	166	166	165
PGE210130	RSG AERCX	163	147	163	157	158	157	134	151	130	148
SCE-L-004D	Energy Leader Partnership Program	164	162	164	157	160	149	116	150	133	151
SCE-13-SW-001E	Residential HVAC Program	165	163	160	141	157	163	152	163	163	157
SCG3712	SW-COM-Nonres HVAC	166	166	166	157	164	164	166	153	142	130

Western Riverside Council of Governments
Technical Advisory Committee

Staff Report

Subject: Environmental Department Activities Update

Contact: Dolores Sanchez Badillo, Staff Analyst, badillo@wrcog.cog.ca.us, (951) 955-8306

Date: March 16, 2017

***The purpose of this item is to** provide an update on the Used Oil and Filter Exchange events and the progress of WRCOG's Pilot Litter Program being conducted in the City of Lake Elsinore.*

Requested Action:

1. Receive and file.

WRCOG assists its member jurisdictions with addressing state mandates, specifically the Integrated Waste Management Act (AB 939, Chapter 1095, Statutes of 1989), which required 25% and 50% diversion of waste from landfills by 1995 and 2000, respectively. While certain aspects of AB 939 have been modified over the years with legislation defining what materials counted towards diversion and how to calculate the diversion rate for jurisdictions, the intent of the bill remains. Each year, a jurisdiction must file an Electronic Annual Report with CalRecycle on the jurisdictions' achievements in meeting and maintaining the diversion requirements. The Environmental Department also has a Regional Used Oil component which is designed to assist member jurisdictions in educating and promoting proper recycling and disposal of used oil, oil filters, and household hazardous waste (HHW) to the community.

Recycling Program Activities Update

Used Oil Events: WRCOG's Used Oil and Oil Filter Exchange events help educate and facilitate the proper recycling of used motor oil and used oil filters in various WRCOG jurisdictions. The primary objective of hosting the events is to educate "Do It Yourself" (DIY) individuals who change their own oil, promoting the recycling of used oil and oil filters; therefore, an auto parts store is a great venue for educating these individuals. In addition to promoting used oil / oil filter recycling, staff informs the DIYer about the County-wide HHW Collection Program in which residents can drop-off other automotive and household hazardous products for free.

WRCOG staff recently hosted four Used Oil events and participated/attended community events in the subregion:

Date	Event	Attendance	Filters	Radio / Guests
1/28/17	City of Lake Elsinore	45	12	KATY
2/4/17	City of Norco Used Oil Event	50	17	KOLA
2/18/17	City of Riverside Used Oil Event	200	169	KCAL

Community Outreach

On February 23, 2017, staff participated in the Environmental Education Symposium at the Western Science Center Museum in the City of Hemet. The day-long event consisted of break-out sessions and guest speakers, which included a presentation from Riverside County Habitat Conservation Agency Administrative Services Officer, Princess Hester. The event's goal was to "engage, educate and inspire attendees with an environmental literacy blueprint that will continue to be developed in the coming years." Attendees consisted of educators, government agencies representatives as well as volunteers from Riverside and San Bernardino Counties.

Upcoming Used Oil Events

The following is a list of Used Oil and Oil Filter Exchange events that are presently scheduled. To request an event for your jurisdiction please contact Jorge Nieto, WRCOG Intern, at (951) 955-8328 or nieto@wrcog.cog.ca.us.

Date	Event	Location	Time
3/18/17	City of Corona Used Oil Event	AutoZone, 501 North McKinley Ave.	9 a.m. – 12 p.m.
4/1/17	City of Riverside Used Oil Event	AutoZone, 4195 Van Buren Blvd.	9 a.m. - 1 p.m.
4/15/17	City of Hemet Used Oil Event	AutoZone, 1550 W. Florida Ave.	9 a.m. - 12 p.m.
4/29/17	City of San Jacinto Used Oil Event	AutoZone, 1540 S. San Jacinto Ave.	9 a.m. - 12 p.m.

WRCOG Pilot and Regional Litter Initiative

The City of Lake Elsinore, WRCOG, and Riverside Flood Control and Water Conservation District are prepping for the Saturday, April 22, 2017, Annual Lake Elsinore Clean Extreme event! Plans are in the works for a vendor display at the Clean-Up Site, which will be directly across the highway from the Lake Elsinore Outlets. With well over 600 volunteers expected to clean, clear and paint on Earth Day 2017, the WRCOG team and its partners will supply Litter Kits, have litter pledges available for all, and will provide a free drawing for prizes that all volunteers can take part. All parties are working together to make the Clean Extreme a successful community event.

The Business Component of the Lake Elsinore Pilot Program is gaining momentum as 30 Main Street businesses have been scheduled for visits by WRCOG staff to discuss their participation in the Pilot Program. Businesses will first receive a phone call outlining the outreach Program, which will be followed-up with a visit. Main Street shops will be provided with recycle baskets and anti-litter information. In addition, business owners will receive Litter Kits that will contain a litter bag, gloves, pet clean-up bags, and hand sanitizer. The overall goal is to make sure ALL Lake Elsinore businesses have a Litter Program Window sticker prominently displayed for all to see. Later in the Program, staff will follow-up with the businesses and evaluate any changes in the downtown Main Street environment.

Lake Elsinore Litter Program Business Window Sticker

Prior Action:

March 6, 2017: The Executive Committee received report.

Fiscal Impact:

Solid Waste and Used Oil Program activities are included in the Fiscal Year 2016/2017 budget. Costs identified in association with the Pilot Litter Initiative will come from WRCOG carryover funds within the Environment Department and reflected in an upcoming Agency Budget for Fiscal Year 2016/2017, as a quarterly budget amendment, if needed.

Attachment:

None.

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Item 5.F

Western Riverside Council of Governments
Technical Advisory Committee

Staff Report

Subject: **Clean Cities Coalition Activities Update**

Contact: **Christopher Gray, Director of Transportation, gray@wrcog.cog.ca.us, (951) 955-8304**

Date: **March 16, 2017**

The purpose of this item is to *provide a briefing for the Clean Cities Coalition, an on-going Program to encourage the purchase and use of alternative fueled vehicles within the WRCOG subregion.*

Requested Action:

1. Receive and file.

The Clean Cities Coalition held its quarterly meeting on Tuesday, February 21, 2017. Below is a summary of the items discussed.

Clean Cities Coalition Member Assistance / Deliverables

Besides the quarterly meetings held for the Clean Cities Coalition, WRCOG intends to provide a few items of assistance to Coalition members. The first item is a newsletter that is intended to provide highlights of grant opportunities as it relates to Clean Cities. Grant opportunity announcements come up in a variety of means, such as email, meetings, etc., so it is the goal of WRCOG to have a central location for any and all grant opportunities to be nicely summarized in an email. As this process is undertaken, the consistency of these newsletters will become known. WRCOG does not want to inundate email inboxes with repetitive messages.

WRCOG has received requests from its member agencies for assistance as it relates to grant writing. Often times our member agencies are interested in grant opportunities, but the staff resources needed to complete the actual grant application is too burdensome. These grant funding opportunities are not seized by the region, and opportunities to further items such as alternative vehicle infrastructure are not taken advantage of. It is the goal of WRCOG to further the Clean Cities' mission for the subregion, and enabling Coalition members to apply for grant funding for projects like electric vehicle (EV) charging station helps achieve that mission.

WRCOG has conducted this assistance before, most recently with its support in applying for funding to purchase EV chargers from the South Coast Air Quality Management District. The funding was provided on a reimbursement basis and was able to fund the entire cost of a typical EV charger. WRCOG staff assisted in the application process and Western Riverside County agencies were able to secure over $120,000 of the $300,000 reimbursement opportunity.

At this point in the calendar year, WRCOG anticipates at least three distinct deliverables that will assist Coalition members:

1. In order to formalize this assistance, WRCOG will be offering consultant assistance to each Coalition member agency of up to 20 hours per year to provide grant writing assistance for Clean Cities-related grants. WRCOG is in the process of releasing a Request for Proposals (RFP) that will include this assistance. After the firms are hired, WRCOG will follow-up with each Coalition member agency on the

process of assistance. This service will be included in WRCOG's On-Call Planning RFP, which is scheduled to be released in early March. The RFP will contain a total of six sections, and the grant writing assistance, as it relates to Clean Cities, will be included in the On-Call Transportation Planning section.

2. Update to Good Neighbor Guidelines for Siting New and/or Modified Warehouse / Distribution Facilities. WRCOG adopted a Good Neighbor Guidelines for Siting New and/or Modified Warehouse / Distribution Facilities to guide local jurisdictions in siting and to try to integrate the new / modified facility well with its surroundings previously in 2003. The original purpose of these Guidelines were to assist developers, property owners, elected officials, community organizations, and the general public in addressing some of the complicated choices associated with siting warehouse / distribution facilities and understanding the options available when addressing environmental issues.

   WRCOG conducted an effort to update these guidelines in the summer of 2016. This update included three key elements:

   - Identifying strategies used by other agencies to address similar issues
   - Updating references to any technical documents in the guidelines
   - Reviewing the guidelines to update them as appropriate

   Through this update process, WRCOG noticed that other studies aimed to provide similar guidance are underway. In order to not duplicate efforts, WRCOG will be meeting with other parties, such as the South Coast Air Quality Management District to further update these guidelines and coordinate efforts.

3. EV Charging Station Analysis. WRCOG would like to conduct an analysis on EV charging station, so Coalition members are informed of where the EV charging infrastructure lacks, in order to target areas for grant opportunities.

WRCOG would also like request members of the Coalition to speak at WRCOG's Planning Directors' Committee and Public Works Committee meetings in the coming months. WRCOG believes the opportunity to present Coalition topics and discuss with city staff from all over Western Riverside County is a tremendous benefit for all parties involved. Even though staff from an individual city may communicate with each other on topics, the opportunity to discuss with staff from different jurisdictions does not present itself consistently. WRCOG will work with the appropriate Coalition members to schedule presentations at the proper time of the Committee agendas.

Volkswagen Group Settlement Discussion: As part of Volkswagen AG's (VW) First Partial Decree in its Diesel Emissions Settlement Program, VW is required to make an $800 million investment in California as supplemental investments in zero-emission vehicle (ZEV) market support. This investment is not finalized, so this item is being provided to discuss what is possible, the future of funding for ZEVs, and what Coalition members can accomplish. Below is background information from ARB's website at https://www.arb.ca.gov/msprog/vw_info/vw_faq.htm.

WRCOG would like to encourage Coalition members to act and get involved in the allocation of monies. Fuel providers, fleet managers, OEMs, and technology providers should review VW's strategic priorities and geographies. One possibility is to examine where your fleet wants to go and building relationships with state agencies – this will enable you to set the groundwork for advancing your company's goals and, ultimately, gaining access to the Volkswagen settlement funds.

Prior Action:

March 6, 2017: The Executive Committee received report.

Fiscal Impact:

This item is informational only; therefore there is no fiscal impact.

Attachment:

None.

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Western Riverside Council of Governments
Technical Advisory Committee

Staff Report

Subject: **PACE Program Activities Update**

Contact: **Barbara Spoonhour, Director of Energy and Environmental Programs, spoonhour@wrcog.cog.ca.us, (951) 955-8313**

Date: **March 16, 2017**

The purpose of this item is to *provide the Committee with an update on the PACE Programs that WRCOG oversees. This includes the HERO Program, CaliforniaFIRST, and Spruce Finance.*

Requested Action:

1. Receive and file.

WRCOG's PACE Programs provide financing to property owners to implement a range of energy saving, renewable energy, and water conserving improvements to their homes and businesses. Improvements must be permanently fixed to the property and must meet certain criteria to be eligible for financing. Financing is paid back through a lien placed on the property tax bill. The HERO Program was initiated in December 2011 and has been expanded (an effort called "California HERO") to allow for jurisdictions throughout the state to join WRCOG's Program and allow property owners in these jurisdictions to participate. The CaliforniaFirst and Spruce Programs are anticipated to launch in the 1st Quarter 2017.

Additional PACE Providers

In July 2016, the Executive Committee approved a recommendation for WRCOG to work with Renew Financial to bring its PACE Program under WRCOG's PACE Umbrella. Since that time, staff has been working with its bond counsel and Renew Financial staff to make the residential and commercial Program active in the subregion.

On March 6, 2017, the Executive Committee approved the final agreements, Program Report, and bond documents that will allow the Program to launch under WRCOG's umbrella in mid-April 2017.

Jurisdictions in Western Riverside County will continue to retain the right to allow any PACE Program provider to operate in their city or county, regardless of whether that provider is operating under WRCOG's PACE Program umbrella. If a member jurisdiction does not want to have the Renew Financial PACE Programs operating in its jurisdictions, it can use the PACE Provider Opt-out Resolution (Attachment 1). WRCOG staff requests that any member agency planning on opting out, to notify staff by April 3, 2017. In the coming weeks, WRCOG staff will contact each member agency to schedule a review of the new eligible PACE Programs and to provide opt out resolutions, as needed.

Additional consumer protections update

On March 20, 2017, WRCOG will be implementing a quality assurance call with property owners participating in our PACE Programs. WRCOG believes that adding a quality assurance call will provide the homeowner with an additional opportunity to ask questions and/or receive clarification regarding their improvements, funding amounts, payments, etc. This additional call will further improve the Program and consumer experience.

Prior Action:

March 6, 2017: The Executive Committee 1) accepted the Cities of Cupertino and Susanville as Associate Members of the Western Riverside Council of Governments; 2) adopted WRCOG Resolution Number 03-17; A Resolution of the Executive Committee of the Western Riverside Council of Governments Declaring Its Intention to Modify the California HERO Program Report so as to Increase the Program Area within Which Contractual Assessments may be Offered and Setting a Public Hearing Thereon; and 3) adopted WRCOG Resolution 04-17; A Resolution of the Executive Committee of the Western Riverside Council of Governments Authorizing the Issuance of CaliforniaFIRST bonds, approving the Forms of a Professional Administration Agreement with Renew Financial Group, LLC, amending the Program Report, approving the Forms of Master Indentures, approving the Form of Bond Purchase Agreement, approving the Form of Master Assignment, approving the Form of Depository and Account Control Agreement, approving the Professional Services Agreement for Assessment Administration Services for the Issuance of Bonds for the WRCOG Renew Financial Program, and Appointing a Trustee.

Fiscal Impact:

HERO revenues and expenditures for the WRCOG and California HERO Programs are allocated in the Fiscal Year 2016/2017 Budget under the Energy Department.

Attachment:

1. PACE Provider Opt-out Resolution.

Item 5.G
PACE Program Activities Update

Attachment 1
PACE Provider Opt-out Resolution

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RESOLUTION NO. ______________

RESOLUTION OF THE CITY COUNCIL OF THE [FILL IN THE BLANK: CITY OF ________], CALIFORNIA, EXCLUDING [FILL IN NAME: ____________________] AS AN AUTHORIZED PROGRAM MANAGER OF THE WESTERN RIVERSIDE COUNCIL OF GOVERNMENT CONTRACTUAL ASSESSMENT PROGRAM TO FINANCE DISTRIBUTED GENERATION RENEWABLE ENERGY SOURCES AND ENERGY EFFICIENCY IMPROVEMENTS WITHIN THE BOUNDARIES OF THE CITY

WHEREAS, the Executive Committee of the Western Riverside Council of Governments (the "Executive Committee") has established the "Western Riverside Council of Governments Energy Efficiency and Water Conservation Program for Western Riverside County" (the "WRCOG Program") pursuant to Chapter 29 of Part 3 of Division 7 of the California Streets and Highways Code ("Chapter 29"), the Joint Exercise of Powers Agreement of the Western Riverside Council of Governments ("WRCOG"), originally made and entered April 1, 1991, as further amended to date (the "Joint Exercise of Powers Agreement"), and, as to the WRCOG Program, Implementation Agreements by and between WRCOG and its Regular Members, separate voluntary contractual assessment programs to assist property owners within the jurisdictional boundaries of the WRCOG Program Area (defined below), as to the WRCOG Program, with the cost of installing distributed generation renewable energy sources, energy and water efficiency improvements and electric vehicle charging infrastructure ("Authorized Improvements"), as further described in the program report adopted by the Executive Committee in establishing the WRCOG Program, that are permanently affixed to their property; and

WHEREAS, WRCOG initially appointed Renovate America to administer the WRCOG Program for residential properties and Samas Commercial for commercial properties; and

WHEREAS, subsequently Renovate America was authorized by the Executive Committee to be an additional provider for the WRCOG Program for commercial properties; and

WHEREAS, the City of _________ (the "City") is committed to development of renewable energy sources and energy efficiency improvements, reduction of greenhouse gases, protection of our environment, and reversal of climate change; and

WHEREAS, on __________, 20___ this City Council adopted Resolution No. _______ entitled "Resolution of the City Council of the City of

________________, California, consenting to Inclusion of Properties within the City's Incorporated Area in the Western Riverside Council of Government Contractual Assessment Program to finance distributed generation renewable energy sources and energy efficiency improvements;" and

WHEREAS, on ___________, 2016, the Executive Committee approved ___________________ as an additional program administrator (the "Additional Program Administrator") for the WRCOG Program; and

WHEREAS, the City desires to exclude the Additional Program Administrator from providing services within the incorporate boundaries of the City;

NOW, THEREFORE, BE IT RESOLVED THAT:

1. This City Council finds and declares that the Additional Program Administrator shall not be authorized to provide services pursuant to the WRCOG Program to any properties in the incorporated area of the City.

2. The City Clerk is directed to send a certified copy of this resolution to the Secretary of the WRCOG Executive Committee.

(Insert Voting Block for particular Member Agency City)

Item 5.H

Western Riverside Council of Governments
Technical Advisory Committee

Staff Report

Subject: **Public Service Fellowship Program Activities Update**

Contact: **Crystal Adams, Staff Analyst, adams@wrcog.cog.ca.us, (951) 955-8312**

Date: **March 16, 2017**

***The purpose of this item is** to update Committee members on the second round of WRCOG's Public Service Fellowship, conducted in partnership with University of California, Riverside, and California Baptist University.*

Requested Action:

1. Receive and file.

In partnership with higher education institutions, WRCOG launched a Public Service Fellowship Program that provides local university graduates with career opportunities with local governments and agencies in a way that is mutually beneficial to both the Fellow and Agency.

Fellowship Program Overview

In early 2016, WRCOG launched a Public Service Fellowship Program in Western Riverside County, administered by WRCOG in partnership with University of California, Riverside (UCR) and California Baptist University (CBU). The Technical Advisory Committee (TAC) directed WRCOG staff to expand the Fellowship Program to include students from California State University, San Bernardino (CSUSB), and during the next several months staff will continue developing a relationship with the CSUSB Career Center in preparation to offer the Fellowship to those students in subsequent rounds. The goal of this Program is to retain local students in Western Riverside County to fulfill the subregion's needs for a robust public sector workforce and to combat the often-mentioned "brain drain" that Riverside County experiences when local students graduate but then leave the region to seek full-time employment elsewhere. The Fellowship Program targets students graduating from UCR and CBU, and engages them in career opportunities with local governments and agencies in a way that is mutually beneficial to both the Fellow and agency. The first round of Fellows began working within WRCOG's member agencies in July 2016 and will conclude their Fellowships in March 2017.

Fellowship Program Second Round

Based on the success of the Fellowship thus far as indicated by feedback from both the Fellows, university partners, and participating jurisdictions, WRCOG is proceeding with a second round of the Fellowship. The academic institutions will continue to provide high-caliber students that can contribute valuable assistance to agencies and ensure these students are prepared with the necessary skills, understanding, and education to succeed in the public sector. Nearly 50 applicants from UCR and CBU submitted for Round II of the Program, and WRCOG staff are currently reviewing these applications to determine the best "fit" for member agency placements. Member agencies are afforded the opportunity to review potential Fellow candidates prior to placement.

Program Structure

WRCOG will continue operating the Fellowship by hiring the Fellows as temporary employees of WRCOG. WRCOG will also oversee the human resources and payroll aspects of the Program. Under this structure, Fellows can work up to 30 hours per week at their host Agency for a total of up to 960 hours per fiscal year. WRCOG staff are working with UCR and CBU to adhere to the following schedule for the second round of the Fellowship Program.

Timeline:

- January 2017: Collect feedback from WRCOG member agencies and finalize the pilot Program structure.
- February 2017: Notify students at UCR and CBU about the Fellowship and solicit interested applicants.
- March 2017: WRCOG, UCR, and CBU review applications, interview top candidates, and recommend agency placements.
- April 2017: Agencies interview and confirm Fellow placements. Fellows participate in Program orientation.
- May – July 2017: Fellowships begin.

Program Funding: WRCOG has allocated $400,000 in its Fiscal Year 2016/2017 Budget to initiate this Program. For this year, a small portion of funds will be allocated toward administration / operational costs, and the majority of funds will be allocated for compensation for the Fellows.

Prior Action:

March 6, 2017: The Executive Committee received report.

Fiscal Impact:

A total of $400,000 was allocated under the Agency's Fiscal Year 2016/2017 Budget for the Public Service Fellowship Program, under the Government Relations budget.

Attachment:

None.

Item 5.I

Western Riverside Council of Governments
Technical Advisory Committee

Staff Report

Subject: **Community Choice Aggregation Program Activities Update**

Contact: **Barbara Spoonhour, Director of Energy and Environmental Programs, spoonhour@wrcog.cog.ca.us, (951) 955-8313**

Date: **March 16, 2017**

The purpose of this item is to *provide the Committee with an update on efforts to examine the feasibly of a Community Choice Aggregation Program for either the Western Riverside subregion, Riverside County, or two Counties (Riverside and San Bernardino).*

Requested Action:

1. Receive and file.

Community Choice Aggregation (CCA) allows cities and counties to aggregate their buying power to secure electrical energy supply contracts on a region-wide basis. In California, CCA (Assembly Bill 117) was chaptered in September 2002 and allows for local jurisdictions to form a CCA for this purpose. Several local jurisdictions throughout California are pursuing formation of CCAs as a way to lower energy costs and/or provide "greener" energy supply. WRCOG's Executive Committee has directed staff to pursue the feasibility of Community Choice Aggregation for Western Riverside County. WRCOG, the San Bernardino Council of Governments (SBCOG), formerly known as San Bernardino Associated Governments (SANBAG), and the Coachella Valley Association of Governments (CVAG) have funded a joint, two-county feasibility study in response to the Executive Committee's direction; the study has recently been completed.

CCA Activities Update

In January 2016, staff received direction from the Executive Committee to pursue a Feasibility Study for the potential formation of a CCA Program. To achieve economies of scale and resource efficiencies, SBCOG and CVAG joined WRCOG's effort to complete a multi-county study. To complete the Feasibility Study, WRCOG entered into an agreement with BKi.

On February 6, 2017, the Executive Committee accepted the final draft of the Study and directed staff to release a Request for Proposals (RFP) for CCA Contract Services. The Study concluded that the development and implementation of a CCA at a number of geographic scales and with a number of conservative assumptions will yield savings to CCA participants (residential and business consumers of electricity).

On February 8, 2017, the Administration & Finance Committee was in agreement to move forward with a single county CCA for Riverside County that involves CVAG and WRCOG providing some level of staff support, but will keep the door open so that jurisdictions within San Bernardino County could participate if desired, and all interests can come together on an appropriate governance structure. The Committee also created an Ad Hoc Committee comprised of the WRCOG Chair, Mayor Pro Tem Ben Benoit; Councilmember Brian Tisdale; Councilmember Bonnie Wright; and Councilmember Laura Roughton, to work with WRCOG staff, legal counsel, and CVAG's Ad Hoc Committee (which was created by its Energy and Environment Committee) to evolve the potential governance structure further. WRCOG staff is in the process of scheduling the first meeting of the WRCOG Ad Hoc Committee.

On March 3, 2017, WRCOG released a RFP for CCA Agency Operational Services. A key factor in moving forward with a CCA is to demonstrate the ability to implement and perform the operational functions of the entity in the most cost-effective manner possible. The purpose of the RFP is to solicit bids from the private sector estimating proposed CCA implementation and operational costs by each of the tasks identified herein, to be presented for the geographies listed below:

- One CCA created for both counties combined (referred to as "Inland Choice Power")
- Two CCAs created – one for San Bernardino County and one for Riverside County
- Three CCAs created – one for each geographical area corresponding to the three COG geographies.

Depending on Proposals received, staff will be in a better place to recommend a number of options to decision-makers regarding the operational structure, and the potential third-party performance of all, some, or none of future CCA functions.

The deadline to submit proposals is 5:00 p.m., Thursday, April 6, 2017.

Next Steps: The following are steps that need to occur before a CCA can be operational. These steps could take anywhere from 8 to 12 months to complete and include:

1. Release RFP for CCA implementation assistance
2. Develop JPA agreement
3. Outreach to the communities and jurisdictions on JPA agreement
4. CCA Governing Board adopt Resolution of Intent and File Implementation Plan with CPUC
5. Select power supply and data management vendor
6. File Notice of Intent with SCE
7. Arrange financing of start-up costs
8. SCE data testing
9. Opt-out notice – 1 and 2
10. Launch phase 1
11. Opt-out notices – 3 and 4

The Business of Local Energy Symposium

On May 5, 2017, the Center for Climate Protection, along with the partnership between the Local Government Commission and the Local Government Sustainable Energy Coalition, will be hosting its third Business of Clean Energy Symposium at the Hyatt Regency in Long Beach (200 S. Pine Ave, Long Beach, CA 90802) (Attachment 1).

At this event, attendees will learn about California's goal to accelerate its shift to a clean energy economy. Topics of discussion at this event will include Community Choice Energy Programs, energy policy, regulations, markets, and upcoming technology in the field of energy efficiency. This event is highly recommended for government officials, businesses, and community leaders. Important Community Choice Energy topics will include:

1. What makes a successful Community Choice Energy (CCE) Program?
2. Starting a Community Choice program: Procurement, risk assessment, financing, community outreach, operations.
3. Different governance and business models for developing CCEs.
4. Policy and regulatory trends that will affect local energy efforts.
5. How to design a program that is an economic development driver, including new business opportunities.
6. Opportunities and challenges of developing distributed energy resources.
7. Reducing emissions and serving customers better through innovative private partnerships.
8. What local energy and efficiency programs are most effective?

Further information about the Business of Local Energy Symposium can be found on the website at https://climateprotection.org/our-work/symposium-2017/.

Prior Action:

March 6, 2017: The Executive Committee received report.

Fiscal Impact:

WRCOG's portion for Phase 1 is estimated to be $130,000 to cover the costs of the CCA Feasibility Study, SCE data request, and WRCOG staffing. The costs for this will come from existing carryover funds and will be reflected in an upcoming Quarterly Budget Amendment.

Attachment:

1. Business of Local Energy Symposium Flyer.

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Item 5.I

Community Choice Aggregation Program Activities Update

Attachment 1

Business of Local Energy Symposium Flyer

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localenergybiz.com

Registration opens in early January

COMMUNITY CHOICE ENERGY

It's All About Impact

THE BUSINESS OF LOCAL ENERGY SYMPOSIUM

FRIDAY, MAY 5, 2017

HYATT REGENCY IN LONG BEACH

ABOUT THE EVENT

Join Community Choice Energy (CCE) experts and leaders from across the state in Spring 2017 for a day-long event about accelerating CCE adoption and creating more benefits for our local communities. This event brings together business, government, and community leaders to exchange ideas, share information, and learn about what's next for CCEs and effective program implementation.

ECONOMIC OPPORTUNITY

Local energy resources present a huge economic development opportunity. Done correctly they can provide business opportunities, creates jobs and circulate dollars in the local economy that are now leaving the community. How do we get there? And what do CCE leaders have to share as best practices for this growing sector?

WHO SHOULD ATTEND

CCE operators and advocates, elected officials, electric service providers, cleantech entrepreneurs, businesses in the renewable energy industry and anyone interested in the energy system of the future.

Organized by: center for climate protection | Local Government SUSTAINABLE ENERGY Coalition | Local Government Commission *Leaders for Livable Communities*

COMMUNITY CHOICE ENERGY

It's All About Impact

THE BUSINESS OF LOCAL ENERGY SYMPOSIUM

FRIDAY, MAY 5, 2017

HYATT REGENCY IN LONG BEACH

TOPICS COVERED:

1. What makes a successful Community Choice Energy (CCE) program?
2. Starting a Community Choice program: Procurement, risk assessment, financing, community outreach, operations
3. Different governance and business models for developing CCEs
4. Policy and regulatory trends that will affect local energy efforts
5. How to design a program that is an economic development driver, including new business opportunities
6. Opportunities and challenges of developing distributed energy resources
7. Reducing emissions and serving customers better through innovative private partnerships
8. What local energy and efficiency programs are most effective?
9. Innovative program development from storage to electric vehicles
10. CCE 2.0: What does the future look like? How do we get to IDER Nirvana?

SPONSORSHIPS AND PARTNER OPPORTUNITIES

For information about Sponsorship or Promotional Partner opportunities, contact:

Barry Vesser: bvesser@climateprotection.org or Margaret Bruce: mbruce@lgc.org

localenergybiz.com

Western Riverside Council of Governments
Technical Advisory Committee

Staff Report

Subject: **Regional Homelessness Dialogue**

Contact: **Jennifer Ward, Director of Government Relations, ward@wrcog.cog.ca.us, (951) 955-0186**

Date: **March 16, 2017**

***The purpose of this item is** to update Committee members regarding the Executive Committee's recent action to support the Regional Homelessness Statement of Principles, and to continue the ongoing, regional dialogue on addressing homelessness in Western Riverside County.*

Requested Action:

1. Receive and file.

WRCOG is participating in some ongoing regional dialogue on the challenges facing local jurisdictions related to homelessness in Riverside County and has been facilitating the sharing of information regarding solutions to this challenge through its Technical Advisory and Executive Committees.

Background

WRCOG staff are participating in numerous regional discussions on the topic of homelessness in Riverside County including the Southwest Riverside County Regional Homelessness Alliance, the WRCOG informal Technical Advisory Committee (TAC) Subcommittee on Homelessness, and ongoing conversations with the County of Riverside, and the Coachella Valley Association of Governments (CVAG) Homelessness Committee. The WRCOG Committee meetings offer a suitable space for the Agency's members to discuss issues related to homelessness and for information-sharing.

These regional discussions have been fruitful in terms of providing staff with a greater understanding of the challenge facing jurisdictions in addressing homelessness as well as the existing resources and initiatives dedicated to providing solutions. Staff have also invited numerous speakers to address the TAC regarding homelessness, and will continue to do so on a regular basis.

Regional Homelessness Statement of Principles

The Regional Homelessness Statement of Principles (Attachment 1) was discussed and approved by the Executive Committee on March 6, 2017.

A sub-group of TAC members, which included at various points staff from the Cities of Hemet, Jurupa Valley, Lake Elsinore, Menifee, Murrieta, Riverside, and Temecula, and the County of Riverside, met several times to discuss regional homelessness. These discussions resulted in the drafting of a Statement of Principles, which serve as a collective identification of both the challenges associated with serving the homeless population in Riverside County and the strategies that can be employed to address these challenges. The major components of the Statement of Principles can be generally categorized as follows (listed in no particular order of importance):

1. Standardize ordinances for panhandling, shopping carts, camping and trespassing
2. Engage homeless and connect to resources using multi-disciplinary teams
3. Provide services that meet the needs of homeless
4. Advertise local resources
5. Participate in broad, community-focused educational marketing campaign
6. Participate in Riverside County Homeless Point in Time Count
7. Utilize the Coordinated Entry System (CES)
8. Identify affordable housing opportunities
9. Seek permanent and diverse funding stream
10. Encourage responsible compassion when helping homeless

Potential Next Steps

WRCOG and member agency staff contributors to the Statement of Principles have taken great strides to ensure these principles are not in conflict with other regional efforts, but rather complement and support the existing initiatives throughout inland Southern California. Recognizing there are many existing agencies from the county, city, state, federal, public safety, non-profit, faith-based, and community sectors that already provide leadership on these topics, staff anticipate there could be various levels of involvement and roles for WRCOG to play in addressing some these principles. For example, WRCOG could be the central collector for ordinances adopted by jurisdictions in the region related to homelessness, or WRCOG could participate in regional education and communications campaigns. Additionally, WRCOG staff are happy to assist its member agencies with applications of BEYOND Framework Fund dollars toward projects that impact homelessness. Staff are seeking input from WRCOG member agencies in determining the most appropriate and effective next steps, and will seek further direction from the Administration & Finance Committee on April 12, 2017. Results of those discussions will be shared with the other WRCOG Committees, member agencies, and stakeholders.

Prior Action:

March 6, 2017: The Executive Committee 1) approved the Regional Homelessness Statement of Principles; 2) requested that the Administration & Finance Committee discuss and provide recommendations to the Executive Committee on the extent, if any, to which WRCOG can provide assistance to members as they continue to address homelessness in their communities and the region.

Fiscal Impact:

This item is informational only; therefore, there is no fiscal impact.

Attachment:

1. Riverside County Regional Homelessness Statement of Principles.

Item 5.J

Regional Homelessness Dialogue

Attachment 1

Riverside County Regional Homelessness Statement of Principles

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Riverside County Regional Homelessness Statement of Principles

Introduction:

According to the 2016 homeless Point in time count, the County of Riverside has 1,351 unsheltered homeless individuals living on the streets and 814 living in shelters. The total homeless population of 2,165 reflects a 12% decrease from the 2015 point in time count of 2,470. The reduction is attributed to several factors, including an improving economy, lower unemployment rates and a renewed effort to permanently house homeless veterans and the chronically homeless.

The County of Riverside is not unlike many counties and cities across the nation struggling to address the issue of homelessness. While the number of homeless in the County has continued a gradual but steady decrease, the perception is that the issue has worsened. This perception is a result of the "visible" one-third of the homeless population that continue to decline services. Homelessness is not a crime, it knows no political affiliation and is not concerned with jurisdictional delineations. To better address this challenge, a regional approach is needed. Working collaboratively with the County of Riverside, and incorporating national and statewide best practices, a plan can be developed that ensures each city is doing its part to actively address homelessness.

Regional Commitment:

Each city in Western Riverside County is committed to the following:

1. Standardize ordinances for panhandling, shopping carts, camping and trespassing
   - Makes it easier to enforce these laws consistently (throughout the region)

2. Engage the local homeless population and provide connections to local resources
   - Utilize multi-disciplinary teams that include service providers, faith-based/non-profit organizations law enforcement, code enforcement, etc. to address local homelessness issues as locally as possible

3. Provide services that meet the needs of the local homeless population to help balance the provision of services across the County

4. Advertise local resources for the local homeless population
   - Identify local available resources and submit information to the 211 Volunteer Center
   - Provide local resource guide handouts

The Statement of Principles was created in partnership with regional stakeholders and the member agencies of the Western Riverside Council of Governments (WRCOG).
Adopted by the WRCOG Executive Committee on March 6, 2017.

5. Participate in a broad community-focused educational marketing campaign to highlight effective, responsible, and compassionate ways to help the local homeless population
   - Use consistent messaging and themes throughout the County
   - Advertise on digital boards and local media

6. Participate in the Riverside County Homeless Point in Time Count
   - Having an accurate count enables our community (and region) to be eligible for federal and state funding for homeless services. The count helps us to better understand the demographics and needs of those experiencing homelessness in our community, and helps to ensure a more equitable distribution of resources to meet the needs of the different populations.

7. Utilize the Coordinated Entry System (CES)
   - Coordinated entry ensures that all people experiencing a housing crisis have fair and equal access, are quickly identified, assessed for, referred, and connected to housing and assistance based on their strengths and needs
   - CES Assessments can be conducted by the following partners in your community: Outreach workers, law enforcement personnel, code enforcement personnel, library and park and recreation center staff, faith based organizations and non-profit organizations
     - CES Assessment Trainings will be provided by the County of Riverside University Health Systems Behavioral Health

8. Identify quality housing opportunities that are affordable in the local community
   - Identify housing opportunities
   - Identify funding resources
   - Incentivize the development of housing opportunities that are affordable and appropriate for the community (i.e., amend a development standard or a modification of the Zoning Code)
   - Partner with developers and property owners/landlords

9. Work towards the development and benefit of a permanent and diverse funding stream for homeless services and affordable housing uses throughout the region

10. Encourage faith-based and non-profit organizations to be responsible and compassionate when helping homeless individuals and families without harming them
    - Assist faith-based and non-profit organizations navigate homelessness in your community
    - Encourage faith-based and non-profit organizations to be part of a broad and coordinated regional effort to leverage resources and maximize impact, rather than engage in singular short-term solutions

The Statement of Principles was created in partnership with regional stakeholders and the member agencies of the Western Riverside Council of Governments (WRCOG). Adopted by the WRCOG Executive Committee on March 6, 2017.

Item 5.K

Western Riverside Council of Governments
Technical Advisory Committee

Staff Report

Subject: **International City / County Management Association Activities Update**

Contact: **AJ Wilson, California Senior Advisor, ajwcm@aol.com, (760) 723-8623**

Date: **March 16, 2017**

The purpose of this item is to *provide the Committee of International City / County Management Association (ICMA) activities.*

Requested Action:

1. Receive and file.

ICMA Coaching Program Webinars

ICMA Coaching Program: A full program of webinars for training purposes has been planned for 2017. These events are free of charge and can be used for training events in your organization. A program flyer is attached to this report (Attachment 1).

The ICMA Coaching Program webinars kick off on Wednesday March 29, 2017, with a session on Attracting and Retaining a Dynamic Workforce.

There is no charge for the webinars but TO PARTICIPATE LIVE, THERE IS THE NEED TO PRE-REGISTER. Information on registration can be provided through signing-up on an email announcement list or by going to the ICMA website.

CAL-ICMA Talent Development Program Survey

In an effort to create training and personal development tools for City Managers in California, CAL-ICMA has established a Talent Development Team, which is seeking direct input on what resources would be most helpful in meeting the talent development goals for your organization.

A survey, which take no more than five minutes to complete, is available on the CAL-ICMA website until April 1, 2017. It can also be accessed at www.surveymonkey.com/r/Cal-ICMA. I would urge you to personally fill out the survey. At a minimum have someone in your organization provide the information.

League of CA Cities

League of CA Cities City Managers' Department: The annual conference of the City Managers' Department was held in Monterey February 8-10, 2017. Unfortunately, access was not available for late registrations. One issue that was reviewed in a session was present efforts to seek adjustments in the sales tax from site of service to site of purchase. This effort relates top concerns about growing on-line retail. There were a number of expressed concerns and the League is in the process of developing a policy. If sales tax revenues are important to your City, watch the work of the League and the Revenue and Taxation Committee.

CALPERS Earnings Adjustments

The City Managers' Department continues to focus attention on the impacts of pension costs on cities in California. In that regard there now has been proposed changes in the investment return levels which will impact all city budgets beginning this July.

Attached is a Circular letter from the PERS actuaries that explains the impacts of the proposed changes (Attachment 2).

Senior Advisor Support

As your Senior Advisor, Mr. Wilson is available for personal discussions, resource identification, and general briefings for your employees who may be ICMA members or MMASC members. Please contact Mr. Wilson at (714) 323-9116 or ajwcm@aol.com.

Prior Action:

January 19, 2017: The WRCOG Technical Advisory Committee received report.

Fiscal Impact:

This item is informational only; therefore, there is no fiscal impact.

Attachments:

1. ICMA Coaching Program flyer.
2. CALPERS Circular letter.

Item 5.K

International City / County Management Association Activities Update

Attachment 1

ICMA Coaching Program flyer

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2017 Coaching Webinars

- **Attracting and Retaining a Dynamic Workforce** 10-11:30 a.m. PT / 1-2:30pm ET; Wednesday, March 29
- **Being a Great Coach and a Winning Player in Your Organization** 11 a.m. – 12:30 p.m. PT / 2-3:30pm ET; Wednesday, April 19
- **Best Practices in Citizen/Customer Service** 10-11:30 a.m. PT / 1-2:30pm ET; Thursday, May 11
- **Effective Communication of Complex Issues to the Public** 9:00 – 10:30 a.m. PT, / 12-1:30pm ET; Thursday, September 7
- **Strategies for Having Difficult Conversations** 10-11:30 a.m. PT / 1-2:30pm ET; Wednesday, October 11
- **Tools to Resolve Tough Issues in Your Community** 10-11:30 a.m. PT / 1-2:30pm ET; Thursday, November 9

Missed a webinar? Watch it full screen 24/7. High quality, full screen video recordings are available for these and other webinars. Click here for the Agendas & Archives. The Agendas include a PDF of the presentation materials which you can download or print with your browser controls. The videos are now in mp4 format, and you can click on full screen for personal or group viewing and discussion.

JOIN THE COMPLIMENTARY COACHING PROGRAM EMAIL LIST FOR DETAILS

Please join the complimentary Coaching Program email list.

You will receive regular notices of program services and activities and detailed agendas for each webinar.

NOTE: In order to subscribe to the 'Coaching Program' email list and to manage your newsletter subscription preferences going forward, an icma.org site login is required. There is no membership required and there is no cost to create an account. An icma.org account will also give you access to some additional site content. Please login if you already have an account, or click 'Create Account' in the upper right hand corner of this page to create a new, free account.

NOTES ABOUT THE WEBINARS

a) Serving broad audiences: Each webinar offers value for up and comers, mid-managers, and senior managers.

b) Welcoming your suggestions for outstanding presenters: We invite your suggestions for presenters. Typically, each webinar includes engaging presentations from three leaders in the field sharing a diversity of perspectives, best practices, and concrete resources.

c) Supporting individual and organizational success: We encourage organizations to form groups to attend the webinars (live or recorded). The agenda for each webinar includes suggested post-webinar discussion questions.

d) Providing detailed Agendas for each webinar (including specific topics and presenters): These are available two weeks in advance of each webinar. You'll find them at the Agendas & Archives page.

e) Registering in advance for each webinar: Each webinar requires its own advance registration. Notices with agenda information and registration details become available two weeks in advance of each webinar. The easiest way to receive notices automatically is through the complimentary email list. Sign up here.

Item 5.K

International City / County Management Association Activities Update

Attachment 2

CALPERS Circular letter

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Actuarial

Circular Letter

California Public Employees' Retirement System
P.O. Box 942715
Sacramento, CA 94229-2715
(888) CalPERS (or **888**-225-7377)
TTY: (877) 249-7442

Distribution: VI **www.calpers.ca.gov**

To: **All Public Agency Employers**

Subject: **Discount Rate Change**

The purpose of this Circular Letter is to inform you of recent changes to the CalPERS discount rate assumption and the impact these changes are expected to have on required employer and PEPRA member contributions. This Circular Letter will assist you in calculating projected pension cost increases in future years. The June 30, 2016, annual valuations will provide updated projections of expected future year pension contributions. These reports will be available this summer.

At the December 21, 2016, meeting, the CalPERS Board of Administration approved lowering the CalPERS discount rate assumption, the long-term rate of return, from 7.50 percent to 7.00 percent over the next three years. This will increase public agency employer contribution costs beginning in Fiscal Year 2018-19.

The phase-in of the discount rate change approved by the Board for the next three Fiscal Years is as follows:

Valuation Date	Fiscal Year for Required Contribution	Discount Rate
June 30, 2016	2018-19	7.375%
June 30, 2017	2019-20	7.25%
June 30, 2018	2020-21	7.00%

Lowering the discount rate means plans will see increases in both the normal costs (the cost of pension benefits accruing in one year for active members) and the accrued liabilities. These increases will result in higher required employer contributions.

In addition, active members hired after January 1, 2013, under the Public Employees' Pension Reform Act (PEPRA) may also see their contribution rates rise.

Circular Letter No.: 200-XXX-17
January 13, 2017

The benefits of reducing the discount rate include:

- Strengthening long-term sustainability of the fund
- Reducing negative cash flows; additional contributions will help to offset the cost to pay pensions
- Reducing the long-term probability of funded ratios falling below undesirable levels
- Improving the likelihood of CalPERS investments earning our assumed rate of return
- Reducing the risk of contribution increases in the future from volatile investment markets

Results

Employer contribution increases as a result of the discount rate changes are estimated below by Normal Cost and required Unfunded Accrued Liability (UAL) payment. The Total Employer Contribution is the sum of the Normal Cost Rate applied to reported payroll plus the Unfunded Accrued Liability payment. The Normal Cost portion of the Employer Contribution is expected to increase by the listed percentages of payroll. Increases to the UAL payments are provided as relative increases to be applied to the projected UAL payments in the June 30, 2015, valuation report.

		Normal Cost		UAL Payments	
Valuation Date	Fiscal Year Impact	Misc. Plans	Safety Plans	Misc. Plans	Safety Plans
6/30/2016	2018-19	0.25% - 0.75%	0.5% - 1.25%	2% - 3%	2% - 3%
6/30/2017	2019-20	0.5% - 1.5%	1.0% - 2.5%	4% - 6%	4% - 6%
6/30/2018	2020-21	1.0% - 3.0%	2.0% - 5.0%	10% - 15%	10% - 15%
6/30/2019	2021-22	1.0% - 3.0%	2.0% - 5.0%	15% - 20%	15% - 20%
6/30/2020	2022-23	1.0% - 3.0%	2.0% - 5.0%	20% - 25%	20% - 25%
6/30/2021	2023-24	1.0% - 3.0%	2.0% - 5.0%	25% - 30%	25% - 30%
6/30/2022	2024-25	1.0% - 3.0%	2.0% - 5.0%	30% - 40%	30% - 40%

The changes to the Unfunded Accrued Liability (UAL) due to changes of actuarial assumptions are amortized over a fixed 20-year period with a 5-year ramp up at the beginning and a 5-year ramp down at the end of the amortization period. The 5-year ramp up means that the payments in the first four years of the amortization schedule are 20 percent, 40 percent, 60 percent and 80 percent of the ultimate payment, which begins in year five. The 5-year ramp down means that the reverse is true and the payments in the final four years are ramped down by the above percentages. A new ramp is established with each change to the discount rate. There will be three ramps established in the first three years. As a result of the 5-year ramp up and effective date of the increase, it will be seven years until the full impact of the discount rate change is completely phased in. The shaded rows above are the expected increases beyond the five year projection quoted in your June 30, 2015, valuation report.

To illustrate how this table can be used as a guide to include the change in the discount rate in the calculation of pension contributions, a Miscellaneous plan with a current normal cost of 15 percent of payroll can expect an increase to 15.25 percent to 15.75 percent of payroll in the first year (Fiscal Year 2018-19), and 16 percent to 18 percent in the fifth year (Fiscal Year 202223). For the UAL payment, a plan with a projected payment of $500,000 in Fiscal Year 2018-19 and $600,000 in Fiscal Year 2022-23 can expect the revised payment to be $510,000 - $515,000 ($500,000x2.00%/$500,000x3.00%) for Fiscal Year 2018-19, and $720,000 - $750,000 ($600,000x20%/$600,000x25%) for Fiscal Year 2022-23. These estimated increases incorporate both the impact of the discount rate change and the ramp up.

Please keep in mind the above table is a tool for you to calculate broad estimates and should only be used as a general guide. The annual valuation report that will be released this summer will provide updated projections for your specific plan. If you have any questions about the information provided or how to apply it to your current valuations, please call our CalPERS Customer Contact Center at **888 CalPERS** (or **888**-225-7377) and ask for your plan actuary.

Scott Terando,
Chief Actuary

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Item 5.L

Western Riverside Council of Governments
Technical Advisory Committee

Staff Report

Subject: **Approval of Professional Services and Contractor Agreement with WSP Parsons Brinckerhoff, Inc. to provide TUMF Program technical support**

Contact: **Ernie Reyna, Chief Financial Officer, reyna@wrcog.cog.ca.us, (951) 955-8432**

Date: **March 16, 2017**

The purpose of this item is to *present a Tenth Amendment to a Professional Services Agreement with WSP Parsons Brinckerhoff, Inc., and to request approval thereof.*

Requested Action:

1. Recommend the Executive Committee approve the Tenth Amendment to the Professional Services Agreement between the Western Riverside Council of Governments and WSP Parsons Brinckerhoff, Inc., to provide TUMF Program technical support in an amount not to exceed $79,824 for the fiscal year and $1,916,437 in total.

WRCOG administers a number of Consulting Agreements to assist staff in delivering essential elements of the Agency's various programs. WRCOG's contract approval process depends on the amount of the contract; contracts in amounts not exceeding $50,000 can be approved by the Executive Director, contracts over $50,000 and up to $100,000 are approved by the Administration & Finance Committee (A&F), and contracts over $100,000 are reviewed by the A&F and approved by the Executive Committee. The following Professional Services Agreement and Contract are associated with a total Agency Budget for Fiscal Year 2016/201.

WSP Parsons Brinckerhoff, Inc., will continue to provide TUMF Program technical assistance services including the development and preparation of the TUMF Nexus Study update and provide general Program liaison. In particular, the consultant will provide the following assistance:

- Support WRCOG staff to prepare GIS exhibits of the TUMF network to be incorporated into the Draft TUMF Nexus Study;
- Submit a Draft TUMF Nexus Study document in Word and Adobe Acrobat PDF format for review and comment from WRCOG staff and Public Works Committee members;
- Incorporate comments and changes received during the review period into a final document to be submitted to WRCOG in Microsoft Word and Adobe Acrobat PDF for committee acceptance; and
- Support WRCOG staff with the preparation of presentation materials and technical memoranda summarizing the results of the TUMF Nexus Study update to support committee and stakeholder outreach efforts.

The Tenth Amendment contract of Parsons Brinckerhoff shall not exceed $79,824 for the fiscal year and $1,916,437 in total. The Tenth Amendment is included as Attachment 1 to the Staff Report.

Prior Actions:

March 8, 2017: The Administration & Finance Committee recommended that the Executive Committee approve the Tenth Amendment to the Professional Services Agreement between the Western Riverside Council of Governments and WSP Parsons Brinckerhoff, Inc., to provide TUMF Program technical support in an amount not to exceed $79,824 for the fiscal year and $1,916,437 in total.

June 24, 2016: The Executive Committee approved the Ninth Amendment to the Professional Services Agreement between the Western Riverside Council of Governments and Parsons Brinckerhoff, Inc., to provide TUMF Program technical support in an amount not to exceed $165,936 for the fiscal year and $1,836,613 in total.

Fiscal Impact:

TUMF activities are included in the Agency's adopted Fiscal Year 2016/2017 Budget under the Transportation Department.

Attachment:

1. Tenth Amendment to the Professional Services Agreement between the Western Riverside Council of Governments and WSP Parsons Brinckerhoff, Inc.

Item 5.L

Approval of Professional Services and Contractor Agreement with WSP Parsons Brinckerhoff, Inc., to provide TUMF Program technical support

Attachment 1

Tenth Amendment to the Professional Services Agreement between the Western Riverside Council of Governments and WSP Parsons Brinckerhoff, Inc.

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TENTH AMENDMENT TO

PROFESSIONAL SERVICES AGREEMENT
BETWEEN
WESTERN RIVERSIDE COUNCIL OF GOVERNMENTS
AND
WSP PARSONS BRINCKERHOFF, INC.

1. PARTIES AND DATE.

This Tenth Amendment is made and entered into as of the 6th day of March, 2017, by and between the Western Riverside Council of Governments, a public agency with its principal place of business at Riverside County Administrative Center, Annex MS 1032, 4080 Lemon Street 3rd Floor, Riverside, California 92501-3679 ("WRCOG") and WSP Parsons Brinckerhoff, Inc. ("Consultant"), a New York Corporation, whose address is 451 E. Vanderbilt Way, Suite 200, San Bernardino, California 92408, Telephone (909) 888-1106, Fax (909) 889-1884, E-mail hendersond@pbworld.com, Federal Tax Identification Number 11-1531569. WRCOG and Consultant are sometimes individually referred to as "Party" and collectively as "Parties."

2. RECITALS.

2.1 Master Agreement.

WRCOG and Consultant have entered into that certain Professional Services Agreement dated July 1, 2008 ("Master Agreement").

2.2 First Amendment.

WRCOG and Consultant have entered into that certain First Amendment to the Master Agreement dated July 1, 2009 for the purpose of extending the term of the Master Agreement, providing a new Scope of Services and providing additional compensation for the continued performance of the Services, as that term is defined in the Master Agreement.

2.3 Second Amendment.

WRCOG and Consultant have entered into that certain Second Amendment to the Master Agreement dated July 1, 2010 for the purpose of extending the term of the Master Agreement, providing a new Scope of Services and providing additional compensation for the continued performance of the Services.

2.4 Third Amendment.

WRCOG and Consultant have entered into that certain Third Amendment to the Master Agreement dated July 1, 2011 for the purpose of extending the term of the Master Agreement, providing a new Scope of Services and providing additional compensation for the continued performance of the Services.

2.5 Fourth Amendment.

WRCOG and Consultant have entered into that certain Fourth Amendment to the Master Agreement dated July 1, 2012 for the purpose of revising all references to Consultant's former name (PB Americas, Inc.), extending the term of the Master Agreement, providing a new Scope of Services and providing additional compensation for the continued performance of the Services.

2.6 Fifth Amendment.

WRCOG and Consultant have entered into that certain Fifth Amendment to the Master Agreement dated July 1, 2013 for the purpose of extending the term of the Master Agreement, providing a new Scope of Services and providing additional compensation for the continued performance of the Services.

2.7 Sixth Amendment.

WRCOG and Consultant have entered into that certain Sixth Amendment to the Master Agreement dated July 1, 2014 for the purpose of extending the term of the Master Agreement, providing a new Scope of Services and providing additional compensation for the continued performance of the Services.

2.8 Seventh Amendment.

WRCOG and Consultant have entered into that certain Seventh Amendment to the Master Agreement dated July 1, 2015 for the purpose of extending the term of the Master Agreement, providing a new Scope of Services and providing additional compensation for the continued performance of the Services.

2.9 Eighth Amendment.

WRCOG and Consultant have entered into that certain Eighth Amendment to the Master Agreement dated March 15, 2016 for the purpose of providing a new Scope of Services and providing additional compensation for the continued performance of the Services.

2.10 Ninth Amendment.

WRCOG and Consultant have entered into that certain Ninth Amendment to the Master Agreement dated July 1, 2016, for the purpose of providing a new Scope of Services and providing additional compensation for the continued performance of the Services.

2.11 Tenth Amendment.

WRCOG and Consultant desire to enter into this Tenth Amendment for the purpose of extending the term of the Master Agreement, providing a new Scope of Services, and providing additional compensation for the continued performance of the Services.

3. TERMS.

3.1 Term.

The term of the Master Agreement shall be amended to extend the term from January 1, 2017 to June 1, 2017 (the "Tenth Extended Term"), unless earlier terminated as provided in the Master Agreement.

3.2 Scope of Services.

The Services, as that term is defined in the Master Agreement, shall be amended such that Consultant shall provide those services set forth in Exhibit “A” attached hereto and incorporated herein by reference for the Tenth Extended Term.

3.3 Compensation.

Consultant shall receive compensation, including authorized reimbursements, for all Services rendered under this Tenth Amendment at the rates set forth in Exhibit "B" attached to this Tenth Amendment and incorporated herein by reference. The total compensation for Services performed under this Tenth Amendment shall not exceed Seventy-Nine Thousand, Eight Hundred and Twenty-Four Dollars ($79,824) without written approval of WRCOG’s Executive Director. The total compensation for Services rendered under the Master Agreement, the First Amendment, the Second Amendment, the Third Amendment, the Fourth Amendment, the Fifth Amendment, the Sixth Amendment, the Seventh Amendment, the Eighth Amendment, the Ninth Amendment, and this Tenth Amendment shall not exceed the maximum amount of One Million Nine Hundred Sixteen Thousand, Four Hundred and Thirty-Seven Dollars ($1,916,437).

3.4 Continuation of Existing Provisions.

Except as amended by this Tenth Amendment, all provisions of the Master Agreement, as previously amended, including without limitation the indemnity and insurance provisions, shall remain in full force and effect and shall govern the actions of the Parties under this Tenth Amendment.

3.5 Counterparts.

This Tenth Amendment may be executed in duplicate originals, each of which is deemed to be an original, but when taken together shall constitute one instrument.

[Signatures on the following page]

SIGNATURE PAGE TO

**TENTH AMENDMENT TO
PROFESSIONAL SERVICES AGREEMENT
BETWEEN
WESTERN RIVERSIDE COUNCIL OF GOVERNMENTS
AND
WSP PARSONS BRINCKERHOFF, INC.**

IN WITNESS WHEREOF, the Parties hereto have made and executed this Tenth Amendment as of the date first written above.

WRCOG

WESTERN RIVERSIDE COUNCIL OF GOVERNMENTS

By: _________________________
Rick Bishop
Executive Director

CONSULTANT

PARSONS BRINCKERHOFF, INC.

By: _________________________

Approved to Form:

By: _________________________
Steven C. DeBaun
General Counsel

EXHIBIT "A"

Scope of Services for Tenth Amendment

WSP|Parsons Brinckerhoff
WRCOG TUMF Program Management Services
Key Work Tasks for Period from January 1, 2017 to June 30, 2017

General Program Liaison

- Participate in Public Works Directors Committee (PWC) meetings and provide additional support via email, telephone and other correspondence with WRCOG staff and participating agency staff as needed to address technical issues relating to TUMF.
- Advise WRCOG staff, as needed, to support the implementation of the TUMF program and accomplish necessary technical revision to the fee program.

1.

TUMF Nexus Update

- Support WRCOG staff to prepare GIS exhibits of the TUMF network to be incorporated into the draft Nexus Study document.
- Submit a draft TUMF Nexus Study document in Word and Adobe Acrobat PDF format for review and comment from WRCOG staff and PWC members.
- Incorporate comments and changes received during the review period into a final document to be submitted to WRCOG in Microsoft Word and Adobe Acrobat PDF for committee acceptance.
- Support WRCOG staff with the preparation of presentation materials and technical memoranda summarizing the results of the 2016 Nexus Update to support committee and stakeholder outreach efforts.
- Support WRCOG staff for the presentation of the results of the 2016 Nexus Update to the WRCOG City Managers Technical Advisory Committee and the WRCOG Executive Committee to accomplish adoption of the Nexus Update.
- Participate in a series of up to four (4) targeted workshop meetings to present the TUMF 2016 Nexus Study results to various participating jurisdictions and other stakeholders as determined by WRCOG staff.

Exhibit "B"

Compensation for Tenth Amendment

Task Level Budget - WRCOG TUMF Implementation Services (FY 16-17)
Period of Performance: January 1, 2017 to June 30, 2017
WSP | Parsons Brinckerhoff (WSP | PB) **Revised: February 7, 2017**

Direct Labor Rate	$103.34	$41.29	$94.93	$66.30	$42.67	$41.21		
Staff Name	Darren Henderson	Kyra Tao	Don Hubbard	Billy Park	Scott Pitera	Trinette Smerko	Total Hours	Total Cost
Project Administration	**18**	**0**	**0**	**0**	**0**	**18**	**36**	**$2,602**
Progress Reports/Invoices	18					18	36	$2,602
TUMF Nexus Update	**108**	**76**	**24**	**8**	**12**	**0**	**228**	**$17,619**
Preparation of GIS Exhibits	2	28			12		42	$1,875
Complete Draft Nexus Documentation	16	8					24	$1,984
Incorporate Review Comments for Final Nexus Document	24	24	4	8			60	$4,381
Prepare Presentation Materials	18	16	4				38	$2,900
WRCOG TAC and EC Meetings for Presentation of Results	16						16	$1,653
Workshops/Meetings for Presentation of Results	32		16				48	$4,826
General Program Liaison	**40**	**8**	**4**	**0**	**0**	**0**	**52**	**$4,843**
PWC Meetings	16						16	$1,653
General Support	24	8	4				36	$3,190
Total Hours	**166**	**84**	**28**	**8**	**12**	**18**	**316**	
Total Labor								**$25,064**
Fringe + Overhead (156.7)								**$39,275**
Facilities Cost of Capital (FCC) (0.4%)								**$100**
Labor + Fringe + Overhead + FCC								**$64,439**

Fee (10% of L+F+O)		**$6,434**
Direct Costs		
Other Direct Costs		$8,951
TOTAL CONTRACT COST		**$79,824**

Western Riverside Council of Governments
Technical Advisory Committee

Staff Report

Subject: **Option to Develop a Subregional Sustainable Communities Strategy as part of SCAG's Regional Transportation Plan**

Contact: **Jennifer Ward, Director of Government Relations, ward@wrcog.cog.ca.us, (951) 955-0186**

Date: **March 16, 2017**

The purpose of this item is to *recommend that WRCOG not pursue development of a Subregional Sustainable Communities Strategy for the 2020 Regional Transportation Plan cycle as allowed under Senate Bill 375, and instead participate in the Regional SCS developed by the Southern California Association of Governments.*

Requested Action:

1. Recommend to the Executive Committee that WRCOG elect not to pursue development of a Subregional Sustainable Communities Strategy for the 2020 Regional Transportation Plan Cycle and direct the Executive Director to transmit notification of this decision to SCAG.

As the designated Metropolitan Planning Organization (MPO) for Imperial, Los Angeles, Orange, Riverside, San Bernardino and Ventura Counties, the Southern California Association of Governments (SCAG) is mandated by the federal government to develop a multimodal long-range transportation plan that provides a 20-year vision for investing in our transportation system, and update it at least once every four years. The Regional Transportation Plan / Sustainable Communities Strategy (RTP/SCS) addresses all modes of the transportation systems and reflects research and policy initiatives from each mode: active transportation, aviation and airport ground access, corridor planning, goods movement, high-speed rail, intelligent transportation systems, safety and security, transit, and transportation finance.

2020 RTP/SCS Planning Cycle

The most recently adopted RTP/SCS was for the 2016 planning cycle. In preparation for the 2020 RTP/SCS cycle, SCAG is seeking confirmation from each of its subregional partners (i.e., local councils of governments and associations of governments) to determine whether the subregional entity will develop and submit to SCAG an independent Subregional SCS, as allowable by law. For the past two RTP/SCS cycles (since the passage of SB 375), WRCOG has elected not pursue development of a Subregional SCS, due to the significant financial, time, and staff resource burdens this process entails. In the 2012 cycle, only two subregional entities developed a Subregional SCS, and none pursued this option in 2016.

Based on WRCOG's successful working relationship with SCAG, and due to the burdensome cost challenges development of a Subregional SCS presents, WRCOG staff recommends that the Agency does not pursue a Subregional SCS, and instead partners with SCAG and participates in the Regional 2020 RTP/SCS process. Subsequent to action by this Committee, staff will transmit a letter to SCAG staff formally notifying SCAG of WRCOG's decision.

Prior Action:

March 8, 2017: The Administration & Finance Committee recommended to the Executive Committee that WRCOG elect not to pursue development of a Subregional Sustainable Communities Strategy for the 2020 Regional Transportation Plan cycle and direct the Executive Director to transmit notification of this decision to SCAG.

Fiscal Impact:

This item is informational only; therefore there is no fiscal impact.

Attachment:

None.

Item 6.A

Western Riverside Council of Governments
Technical Advisory Committee

Staff Report

Subject: **Enhanced Infrastructure Financing Districts**

Contact: **Dan Carrigg, Legislative Director, Legislative & Policy Development, League of California Cities, carriggd@cacities.org, (916) 658-8222**

Date: **March 16, 2017**

***The purpose of this item is to** provide information to the Technical Advisory Committee members related to the emergence of Enhanced Infrastructure Financing Districts.*

Requested Action:

1. Receive and file.

SB 628 was passed in 2014 and authorized the creation of Enhanced Infrastructure Financing Districts (EIFDs). EIFD's are intended as a tool for local governments to provide financing for a broad range of infrastructure work, including traditional public works such as roads, highways, bridges, parking facilities transit stations, sewage and water facilities, etc. Staff has arranged for Dan Carrigg, the League of California Cities' Legislative Director, to provide an overview of EIFD's and an update on their application in California since the legislation was enabled.

Prior Action:

None.

Fiscal Impact:

This item is informational only; therefore, there is no fiscal impact.

Attachment:

None.

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Item 6.B

Western Riverside Council of Governments
Technical Advisory Committee

Staff Report

Subject: **Transportation Uniform Mitigation Fee (TUMF) Program Activities Update**

Contact: **Christopher Gray, Director of Transportation, gray@wrcog.cog.ca.us, (951) 955-8304**

Date: **March 16, 2017**

The purpose of this item is to *provide Committee members with an update on the progress of the TUMF Nexus Study Update and present information regarding recent discussions related to potential management and administrative changes to the TUMF Program.*

Requested Action:

1. Appoint three members of the Technical Advisory Committee to serve on the TUMF Program Ad Hoc Committee.

WRCOG's TUMF Program is a regional fee program designed to provide transportation and transit infrastructure that mitigates the impact of new growth in Western Riverside County. Each of WRCOG's member jurisdictions and the March JPA participates in the Program through an adopted ordinance, collects fees from new development, and remits the fees to WRCOG. WRCOG, as administrator of the TUMF Program, allocates TUMF to the Riverside County Transportation Commission (RCTC), groupings of jurisdictions – referred to as TUMF Zones – based on the amounts of fees collected in these groups, and the Riverside Transit Agency (RTA). The TUMF Nexus Study is intended to satisfy the requirements of California Government Code Chapter 5 Section 66000-66008 (also known as the California Mitigation Fee Act) which governs imposing development impact fees in California. The Study establishes a nexus or reasonable relationship between the development impact fee's use and the type of project for which the fee is required. The TUMF Program is a development impact fee and is subject to the California Mitigation Fee Act (AB 1600, Govt. Code § 6600), which mandates that a Nexus Study be prepared to demonstrate a reasonable and rational relationship between the fee and the proposed improvements for which the fee is used. AB 1600 also requires the regular review and update of the Program and Nexus Study to ensure the validity of the Program. The last TUMF Program Update was completed in October 2009.

TUMF Nexus Study Update

Draft TUMF Nexus Study: WRCOG staff and the TUMF consultant have finalized the comprehensive update and prepared the draft TUMF Nexus Study, which is now available for review and comment for a 45-day period (http://www.wrcog.cog.ca.us/uploads/media_items/tumfnexusstudy-170228-draft.original.pdf). Staff requests that all comments be submitted in writing to the WRCOG office and/or via e-mail to Christopher Gray at gray@wrcog.cog.ca.us by April 14, 2017. To accompany the draft TUMF Nexus Study, staff has prepared a cover memo detailing key components of the Nexus Study that have been revised and updated since the delay in the finalizing the study in 2015. The memo, included as Attachment 1, also addresses comments that WRCOG received in 2015 regarding the Program and implementation of the Nexus Study.

Key aspects of the Nexus Study include the following:

Growth forecast: In April 2016, SCAG approved the 2016-2040 Regional Transportation Plan / Sustainable Communities Strategy; updated growth projections confirms that updated demographic data indicates that the subregion will add more than 650,000 people, 250,000 households and 400,000 jobs. Current projections estimate the population is projected to grow from a level of approximately 1.77 million in 2012 to a future level of approximately 2.43 million by the year 2040. The projected growth in households include 173,000 single-family units and 77,000 multi-family units, representing a 48% increase in households between the 2012 base year and 2040 horizon year. By employment sector, the TUMF land use categories are projected to increase by the following amounts:

- Industrial – 81,000 employees;
- Retail – 36,000 employees; and
- Service – 275,000 employees.

The growth in employment of all TUMF land use categories represents an 87% increase in employees between 2012 and 2040. WRCOG staff requested that University of California, Riverside (UCR), staff review the growth projections for the subregion. UCR concurred with the level of projected growth based on available sources.

TUMF Network: The balance of the unfunded TUMF system improvement needs is $3.14 billion, which is the maximum value attributable to the mitigation of the cumulative regional transportation impacts of future new development in the WRCOG region, and will be captured through the TUMF Program. This figure accounts for obligated funding and unfunded existing need. The TUMF Network cost was reduced by $210 million in obligated funding, which included State and Federal funding secured by member jurisdictions for the implementation of TUMF facilities. Additionally, an amount of $510 million in TUMF Network costs was removed due to existing need. As the Program is based on transportation improvements necessary to accommodate future growth, TUMF cannot fund facilities on the TUMF system which currently experience congestion and operate at unacceptable levels of service. Through the process of updating the Nexus Study, staff has consulted with member jurisdictions and stakeholders to ensure that all facilities included in the Program meet the criteria for inclusion. The minimum criteria for inclusion in the TUMF Network includes:

- At least 4 travel lanes
- Carries at least 20,000 vehicles per day by the year 2040
- Roadway is projected to operate at a volume to capacity ratio of 0.91 or worse by the year 2040

Similarly to the arterials, staff coordinated with the Riverside Transit Agency to review transit facilities against criteria developed for the transit component of the Program.

Unit cost assumptions: As part of the Nexus Study update, WRCOG developed a new set of unit costs with the latest available construction cost, labor cost, and land acquisition cost values. The unit cost assumptions are based on recent project costs and reflect recent data from Caltrans, RCTC, and local agencies as summarized by the Nexus Study Consultant. The TUMF Program uses a series of average costs to determine the costs of specific improvements to the TUMF Network, such as interchanges and bridges. Increases in unit costs since adoption of the 2009 Nexus Study are approximately 30%, on average. If the Nexus Study was updated by simply applying the changes in the cost factors, then it would result in an across the board increase in fees of 30%.

Application of fee to residential and non-residential developments: To calculate the fair share proportionality of future traffic impacts associated with residential and non-residential developments, the Nexus Study aggregates, by trip purpose, the growth in peak period Vehicle Miles Traveled (VMT) between the base and horizon years. The split between residential and non-residential developments is 71% and 29%, respectively, meaning that 71% ($2.23 billion) will be assigned to future residential development and 29% ($910.3 million) will be assigned to future non-residential development.

Proposed TUMF schedule: The TUMF Nexus Study indicates the maximum “fair share” fee for each of the various use types defined in the TUMF Program, which is shown below:

Land Use Type	Current Fee	Proposed TUMF Schedule
Single-Family Residential	**$8,873**	**$9,985**
Multi-Family Residential	**$6,231**	**$6,503**
Industrial	**$1.73**	**$1.88**
Retail	**$10.49**	**$13.05**
Service	**$4.19**	**$4.84**

Though the TUMF Nexus Study indicates the maximum fee that is assigned to each land use category, the Executive Committee has the option of adopting either the maximum fee, adopting a fee less than the maximum, or phasing-in the fee over a designated period. In September 2016, the Executive Committee convened an Ad Hoc Committee with the ultimate goal of selecting a preferred option for implementation of the TUMF Nexus Study. The Ad Hoc Committee has recommended that the WRCOG Committee structure consider a 2-year freeze and subsequent 2-year phase-in for the proposed maximum retail fee, plus a 2-year single-family residential phase-in option for implementation. The proposed fee schedule based on the Ad Hoc Committee's recommendation is below.

Land Use Type	Current Fee	July 1, 2017*	July 1, 2018	July 1, 2019	July 1, 2020
Single-Family Residential	**$8,873**	**$9,429**	**$9,985**	**$9,985**	**$9,985**
Multi-Family Residential	**$6,231**	**$6,503**	**$6,503**	**$6,503**	**$6,503**
Industrial	**$1.73**	**$1.88**	**$1.88**	**$1.88**	**$1.88**
Retail	**$10.49**	**$10.49**	**$10.49**	**$11.77**	**$13.05**
Service	**$4.19**	**$4.84**	**$4.84**	**$4.84**	**$4.84**

*Depending on each member jurisdictions approval of TUMF Ordinance / Fee Resolution

Staff has begun presenting the key components, along with the proposed fee schedule, from the Nexus Study to the WRCOG Committee structure. Additionally, staff is available to meet individually with member jurisdictions and stakeholders regarding the Program update upon request.

Responsibilities for Administering the Western Riverside County TUMF Program

Since 2003, WRCOG has administered the TUMF Program as a cooperative effort involving member jurisdictions, RCTC, RTA, and the Riverside County Conservation Agency. A fundamental tenet of the Program is that there is a clear and purposeful division between overall Program administration responsibilities between WRCOG and the implementing agencies. WRCOG focuses on preparing the technical Nexus Study, fee ordinances, credit agreements, fee calculation handbook and Administrative Plan, for example. The implementing agencies, including RCTC, RTA, the County, and the member agencies, implement TUMF projects based on programming decisions made by these agencies instead of WRCOG.

As the Program Manager and Program Administrator, WRCOG has continually fielded questions and requests regarding the TUMF Program and, during the most recent process to update the Nexus Study, WRCOG received additional requests to evaluate the TUMF Program and consider whether it is appropriate to modify elements of the Program to better serve member jurisdiction needs. Some examples of these requests include, but are not limited to, the following:

- Develop a more streamlined process to reimburse member jurisdictions;
- Evaluate differences in the CVAG TUMF compared to the WRCOG TUMF;
- Develop a more formalized approach to prioritize projects;
- Revisit projects eligible for reimbursement through TUMF; and
- Revisit the Zone system.

On January 11, 2017, Riverside County Supervisor Kevin Jeffries suggested at a monthly RCTC meeting that there "…should be a discussion with WRCOG to have RCTC take over the TUMF Program." The Supervisor suggested that the matter should be discussed with WRCOG and pros and cons should be evaluated. On January 26, 2017, RCTC directed its staff to undertake an exercise to evaluate the potential transfer.

While RCTC staff now has direction to undertake an evaluation of the TUMF Program within Western Riverside County (the Commission's action excluded examination of the Coachella Valley TUMF Program), WRCOG believes it is prudent to discuss this issue with the WRCOG Committee structure.

At its March 6, 2017, meeting, the Executive Committee took action to form a TUMF Program Ad Hoc Committee and appointed four representatives from the Cities of Lake Elsinore, Murrieta, Perris, and San Jacinto. The Ad Hoc Committee will be composed of representatives from the Executive Committee, Technical Advisory, and Public Works Committees. Though no action on potential changes, if any, would occur until after action on the TUMF Nexus Study, beginning the discussion will provide an opportunity for members to discuss all aspects of the Program, and WRCOG will convene these discussions within one month of forming the Ad Hoc Committee. The ultimate goal of the Ad Hoc Committee will be to provide the WRCOG Committee structure with a recommendation regarding the management and administration of the TUMF Program.

At its March 9, 2017, meeting, the Public Works Committee appointed representatives from the Cities of Menifee, Moreno Valley, and Wildomar to serve on the Ad Hoc Committee.

Fiscal Year 2015/2016 TUMF Audit

As part of its administrative duties, WRCOG is required to audit each participating agency to ensure that the correct TUMF is being properly collected and transmitted to WRCOG. In October through December 2016, WRCOG's Chief Financial Officer performed this function with existing fiscal and TUMF staff and conducted site visits with all seventeen member jurisdictions, the County of Riverside, and March JPA to complete the audits. Staff performed the duties of ensuring TUMF monies were properly calculated and remitted to WRCOG within the time limits set forth in the Administrative Plan.

No problems were encountered during the course of the audit and WRCOG has distributed individual letters to all member jurisdictions outlining the audit.

Fee Calculation for Existing Uses

Staff frequently receives questions from member jurisdictions and stakeholders on how existing buildings are treated under the TUMF Program. Through policy action, the Executive Committee has approved a series of exemptions including the rehabilitation and/or reconstruction of any habitable structure in use on or after January 1, 2000, provided that the same or fewer traffic trips are generated. Within the last year, staff has received an increase in questions regarding the following scenarios:

- Type of land use changes from an exempt category to a non-exempt category: Currently the TUMF Ordinance nor the Administrative Plan addresses this scenario. Staff interpretation is that development would not be assessed TUMF.
- Same category within TUMF with no change in building square footage: Under the Program, this change would be exempt from TUMF.
- Change in TUMF category from a less intensive to a more intensive use (service land use to retail land use): The development in this scenario would be assessed TUMF on delta of fee in effect for both land use categories. The development would receive credit for the previous service land use against the retail land use TUMF calculation for the development.
- Type of land use is the same as the previous use and there is an increase in gross floor area: The development in this scenario would be assessed TUMF on delta of TUMF calculated for the increase in gross floor area. The development would receive credit for the current gross floor area to be applied to the overall gross floor area.

Staff, in consultation with members of the Planning Directors' and Public Works Committees, will be developing additional language for the TUMF Calculation Handbook and/or Administrative Plan to address this type of use. The goal of developing additional language is to create a consistent approach across the subregion for assessing TUMF to this type of use. Staff expects to forward the language through the Committee structure for review and action in the coming months.

Prior Actions:

March 9, 2017: The Public Works Committee appointed representatives from the Cities of Menifee, Moreno Valley, and Wildomar to serve on the TUMF Program Ad Hoc Committee.

March 8, 2017: The Administration & Finance Committee received report.

March 6, 2017: The Executive Committee 1) approved the Administration & Finance Committee recommendation to defer taking action on any potential changes to the TUMF Program until after adoption of the Nexus Study; 2) directed staff to convene a TUMF Program Ad Hoc Committee composed of three members of the Executive Committee, three members of the Technical Advisory Committee, and three members of the Public Works Committee, to discuss potential management and administrative changes to the TUMF Program; and 3) appointed four representatives from the Cities of Lake Elsinore, Murrieta, Perris, and San Jacinto to serve on the TUMF Program Ad Hoc Committee.

Fiscal Impact:

TUMF activities are included in the Agency's adopted Fiscal Year 2016/2017 Budget under the Transportation Department.

Attachment:

1. Draft TUMF Nexus Study Cover Memo.

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Item 6.B

Transportation Uniform Mitigation Fee (TUMF) Program Activities Update

Attachment 1

Draft TUMF Nexus Study Cover Memo

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Date: February 28, 2017

To: Member jurisdiction staff, stakeholders, and interested parties

From: Christopher Gray, Director of Transportation

Subj: Release of Draft TUMF Nexus Study

The Western Riverside Council of Governments (WRCOG), in coordination with member and partner agencies, has prepared the Draft Transportation Uniform Mitigation Fee (TUMF) Nexus Study, which is now available for review and comment during a 45 day period which begins on the date of this memo. All comments regarding the Draft TUMF Nexus Study are to be submitted by April 14, 2017.

The TUMF Nexus Study is intended to satisfy the requirements of California Government Code Chapter 5 Section 66000-66008 (also known as the California Mitigation Fee Act) which governs imposing development impact fees in California. The study establishes a nexus or reasonable relationship between the development impact fee's use and the type of project for which the fee is required. WRCOG values your feedback and encourages all stakeholders and interested parties to review the Draft TUMF Nexus Study and provide your comments to WRCOG staff in accordance with the process outlined below.

The Draft TUMF Nexus Study supersedes the previous Draft 2015 TUMF Nexus Study and incorporates significant changes and revisions including, but not limited to the following:

- The socio-economic data has been revised to incorporate the latest growth projections from the Southern California Association of Governments (SCAG) 2016-2040 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS).

- WRCOG staff, consultants, and member agency staff completed an extensive exercise to review all of the transportation projects in the Nexus Study, which resulted in the removal of approximately $300 million in projects based on completed projects and projects which did not meet the criteria for inclusion in the Nexus Study.

- The Nexus Study has been revised to include funding for future projects in the City of Beaumont, which is currently in negotiations with WRCOG to rejoin the TUMF Program. If Beaumont does not rejoin the TUMF Program prior to the adoption of the Nexus Study by the Executive Committee, then the Nexus Study will be revised to remove funding for these projects.

- Many of the technical items in the Nexus Study have been updated, including data on employees per square feet and the unit cost assumptions for the facilities included in the Program. The unit cost assumptions are the basis for the TUMF Network cost.

- This Nexus Study also incorporates the use of Vehicle Miles Traveled (VMT) as an element of the fee calculation process, which is a new approach in the TUMF Program and consistent with implementation of SB 743.

Because of these updated data and new methodological approaches, the resulting fees are substantially different for many of the land use categories in the Draft TUMF Nexus Study as compared to those presented in the Draft 2015 Nexus Study.

When reviewing the Nexus Study, WRCOG staff requests that you keep the following in mind:

- Government/Public non-residential sector fee – Government/public buildings, public schools, and public facilities are **exempt from the TUMF**, as described in the TUMF Ordinance and Administrative Plan. Though the use is exempt, the Nexus Study contains and describes the process of calculating a fee for this use to ensure that the impact of this use is not being passed on to another land use. These uses will continue to be exempt from TUMF and WRCOG is not proposing to assess TUMF fees on these uses.

- Implementation of the Nexus Study – The Nexus Study is the technical document of the Program that establishes the relationship between the fee that is being assessed and the impact of new development as the basis for establishing the maximum amount of the fee that can be imposed. The WRCOG Executive Committee has the **option** of adopting either the maximum fee, adopting a fee less than the maximum, or phasing in the fee over a designated time period. The Executive Committee has the option to review the time period of any phase-in option implemented to take action as it sees fit.

- Phasing of fees – In September 2016, the WRCOG Executive Committee formed an Ad Hoc Committee to review the Nexus Study components and identify a preferred option to finalize the study. The Ad Hoc Committee has recommended that the various WRCOG Committees (including the Public Works Committee, the Technical Advisory Committee, the Administration & Finance Committee, and ultimately the Executive Committee) **consider a 2-year freeze and subsequent 2-year phase in for the proposed maximum retail fee, plus a 2-year single-family residential phase-in option for implementation.**

- Impact of fees on development and regional economy – WRCOG retained a consultant, Economic and Planning Systems, to conduct a comprehensive fee analysis in and around the subregion to determine impact of fees assessed on new development. One of the key findings from the study was that **except for the retail sector, fees on the remaining land use types are assessed similarly in the WRCOG subregion and San Bernardino County.** The Ad Hoc Committee reviewed the findings from the study during the discussions and ultimate selection of the preferred phase-in option to finalize the Nexus Study. This fee study is available on WRCOG's website at www.wrcog.cog.ca.us.

WRCOG staff anticipates the following schedule regarding review of the Nexus Study by the WRCOG Committees:

February 28, 2017:	WRCOG releases a Draft Nexus Study for review and comment by stakeholders (the draft Nexus Study comment period will be 45 days). WRCOG will retain a consultant to conduct a peer review of the Draft Nexus Study.
March 8, 2017:	Administration & Finance Committee reviews Draft TUMF Nexus Study;
March 9, 2017:	Public Works Committee reviews Draft TUMF Nexus Study;
March 16, 2017:	Technical Advisory Committee reviews Draft TUMF Nexus Study;
April 3, 2017:	Executive Committee reviews Draft TUMF Nexus Study;
April 12, 2017:	Administration & Finance Committee reviews comments to date on the Draft TUMF Nexus Study;
April 13, 2017:	Public Works Committee reviews comments to date on the Draft TUMF Nexus Study;

April 14, 2017: Comments due on Draft TUMF Nexus Study;

April 20, 2017: Technical Advisory Committee reviews comments on the Draft TUMF Nexus Study;

May 1, 2017: Executive Committee reviews comments on the Draft TUMF Nexus Study;

May 10, 2017: Administration & Finance Committee makes a recommendation on the Draft TUMF Nexus Study;

May 11, 2017: Public Works Committee makes a recommendation on the Draft TUMF Nexus Study;

May 18, 2017: Technical Advisory Committee makes a recommendation on the Draft TUMF Nexus Study;

June 5, 2017: Executive Committee takes action on the Draft TUMF Nexus Study;

July - August 2017: Any change in fee goes into effect (depending on each member jurisdiction's approval of TUMF Ordinance / Resolutions).

The above schedule is tentative and subject to change depending on input from our Committees and stakeholders.

WRCOG appreciates your participation in the TUMF Program and is happy to answer any questions you may have regarding the Nexus Study. If you have any questions or comments regarding the Nexus Study, please direct them to:

Christopher J. Gray
Director of Transportation
Western Riverside Council of Governments
4080 Lemon Street
3rd Floor, MS 1032
Riverside, CA 92501-3609
Phone: (951) 955-8304
gray@wrcog.cog.ca.us

We would ask that you submit any comments in writing, either via mail at the address above or via email.

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Item 6.C

Western Riverside Council of Governments
Technical Advisory Committee

Staff Report

Subject: **Regional Streetlight Program Activities Update**

Contact: **Tyler Masters, Program Manager, masters@wrcog.cog.ca.us, (951) 955-8378**

Date: **March 16, 2017**

The purpose of this item is to *provide the Committee with an update on the Streetlight City Council Presentations, the next steps that member jurisdictions are taking as they consider participating in the Program, and the draft Lighting Ordinance.*

Requested Action:

1. Receive and file.

WRCOG's Regional Streetlight Program will assist member jurisdictions with the acquisition and retrofit of their Southern California Edison (SCE)-owned and operated streetlights. The Program has three phases, which include: 1) streetlight inventory; 2) procurement and retrofitting of streetlights; and 3) ongoing operations and maintenance. The overall goal of the Program is to provide significant cost savings to the member jurisdictions.

Background

At the direction of the Executive Committee, WRCOG is developing a Regional Streetlight Program that will allow jurisdictions (and Community Service Districts) to purchase the streetlights within their boundaries that are currently owned / operated by SCE. Once the streetlights are owned by the member jurisdiction, the lamps will then be retrofitted to Light Emitting Diode (LED) technology to provide more economical operations (i.e., lower maintenance costs, reduced energy use, and improvements in public safety). Local control of the streetlight system allows jurisdictions opportunities to enable future revenue generating opportunities such as digital-ready networks, and telecommunications and IT strategies.

The goal of the Program is to provide cost-efficiencies for local jurisdictions through the purchase, retrofit, and maintain the streetlights within jurisdictional boundaries, without the need of additional jurisdictional resources. As a regional Program, WRCOG is working with jurisdictions to move through the acquisition process, develop financing recommendations, develop / update regional and community-specific streetlight standards, and implement a regional operations and maintenance agreement that will increase the level of service currently being provided by SCE.

City Council Presentations

To support the educational outreach of the Regional Streetlight Program staff has provided a number of presentations, including City Council Study Sessions, Council Member briefings, and City Commission meetings, in addition to over 30 WRCOG Committee update presentations and city-specific cash flow meetings. Staff is working with member staff to set additional presentations and/or meetings as requested.

To date, the following member jurisdictions have approved City Council Action to acquire the SCE-owned streetlights in their Jurisdiction's boundaries:

October 18, 2016: City of Moreno Valley
January 24, 2017: City of Lake Elsinore
February 15, 2017: City of Menifee
February 28, 2017: City of Temecula
March 7, 2017: City of Murrieta

Next Steps: Staff has been working with participating member jurisdictions and SCE to support jurisdictions through the acquisition processes to transition current SCE-owned streetlights to jurisdictional ownership. After assessing feasibility of acquiring its streetlights from SCE, one of the next major steps in order to complete the acquisition process is for each interested jurisdiction and SCE to mutually agree on a Purchase and Sales Agreement. The Agreement would then need to be taken to City Council for approval. Several cities have scheduled City Council meetings to consider approval of their Agreement:

March 8, 2017: City of Wildomar – Anticipated City Council consideration.
March 13, 2017: JCSD – Anticipated Board consideration.
March 14, 2017: City of Hemet – Anticipated City Council consideration.
March 21, 2017: City of San Jacinto – Anticipated City Council consideration.
March 22, 2017: Eastvale – Anticipated City Council consideration.
March 28, 2017: City of Perris – Anticipated City Council consideration.

Upon jurisdiction approval of the Agreement, SCE will then submit the Agreement to the California Public Utilities Commission (CPUC) for final approval before the transfer of streetlights can occur. The CPUC could take anywhere between two to six months to approve.

Below are the next steps that will be taken by a WRCOG member jurisdiction during 2017:

Jurisdiction	Received SCE evaluation	Sales Agreement Distributed	Council Action on SCE Sales Contract	Selecting financing options	Anticipated CPUC application*	Anticipated CPUC approval*	Anticipated Retrofit*
Calimesa	12/15/15	10/19/16	Calimesa will not participate in the Program.				
Corona	No	The City already owns most of the streetlights within its City Boundaries					
Eastvale	12/15/15	10/19/16	3/22/17	TBD	June 2017	Sept. 2017	Nov. 2017
Hemet	1/20/16	10/19/16	3/14/17	TBD	June 2017	Sept. 2017	Nov. 2017
Jurupa Valley	2/26/16	10/19/16	Jurupa Valley will not participate in the Program.				
Lake Elsinore	9/28/15	10/19/16	1/24/17 ***Approved***	TBD	April 2017	July 2017	Sept. 2017
Menifee	1/8/16	10/19/16	2/15/17 ***Approved***	TBD	May 2017	Aug. 2017	Oct. 2017
Moreno Valley	N/A	N/A	10/18/16 ***Approved***	TBD	January 2017	April 2017	June 2017
Murrieta	10/23/15	10/19/16	3/7/17 ***Approved***	TBD	May 2017	Nov. 2017	Jan. 2018
Norco	3/14/16	10/19/16	TBD	TBD	TBD	TBD	TBD
Perris	1/19/16	10/19/16	3/28/17	TBD	June 2017	Sept. 2017	Nov. 2017

San Jacinto	1/21/16	10/19/16	3/21/17	TBD	May 2017	Aug. 2017	Oct. 2017
Temecula	9/28/16	10/19/16	2/28/17 ***Approved***	TBD	May 2017	Nov. 2017	Jan. 2018
Wildomar	1/19/16	10/19/16	3/8/17	TBD	May 2017	Aug. 2017	Oct. 2017
County of Riverside	3/16/16	10/19/16	County of Riverside will not participate in the Program.				
JCSD	12/15/16	10/19/16	3/13/17	TBD	June 2017	Sept. 2017	Nov. 2017
RCSD	2/26/16	RCSD will support the City of Jurupa Valley if the City chooses to participate in the Regional Program					

**Anticipated CPUC Application, Approval, and Retrofit dates are estimates and subject to change based upon Council approval and execution of the Sales Agreement.*

WRCOG staff continues to schedule meetings with the remaining member cities to work with SCE on the finalization of the Agreement and to assist WRCOG member cities at City Council meetings for decision on the Agreement. If interested in discussing where your jurisdiction is in the process and what the next steps are, please contact Tyler Masters, Program Manager, at (951) 955-8378 or masters@wrcog.cog.ca.us.

To date, five WRCOG member jurisdictions have approved the Agreement. Upon the signing of the Agreement by the City Manager, city staff will then distribute the document to SCE where they will package the Agreement and other items that are needed to be processed by the CPUC. This process can take anywhere between six to twelve months (depending on valuation price).

During this timeframe, WRCOG staff will be working with the member jurisdictions on the financial process, preparing the member jurisdictions for the transfer of streetlights, and working on providing further information on the Operation & Maintenance aspect of the Program.

Draft update to Lighting Pollution Ordinance

In 2016, WRCOG staff and consultants met with several member jurisdictions in the Regional Streetlight Program to gain an understanding of their outdoor lighting ordinances. Throughout these meetings, the Streetlight Program team learned that many of WRCOG member jurisdictions follow the regulations of the County of Riverside's Ordinance No. 655. The County of Riverside's Lighting Ordinance, established in 1988, does not include requirements on new lighting standards such as LED. Based on this information, WRCOG and consultants drafted an updated lighting ordinance that can be used for jurisdictions further implementation on new lighting standards, as desired. The draft ordinance also provides support on meeting Mount Palomar and American Medical Association lighting recommendations.

The draft ordinance (Attachment 1) seeks to provide assistance to WRCOG member jurisdictions with regulations for outdoor lighting. Accordingly, Mt. Palomar staff has shown support toward the Regional Streetlight Program and provided WRCOG with a letter of support (Attachment 2) to show support for WRCOG's efforts in implementing the Program. Along with this document, WRCOG has received a letter from the National Science Foundation (NSF) stating its continuing support of the Program, especially in the area of helping to mitigate light pollution (Attachment 3).

Along with the draft ordinance, WRCOG's consultants have developed a Streetlight Demonstration Area Result report based upon the public input and technical analysis of the Streetlight Demonstration Area hosted in the City of Hemet. The report is awaiting final revisions and will be provided to the Technical Advisory Committee at a later date.

Prior Actions:

March 9, 2017: The Public Works Committee received report.
March 9, 2017: The Planning Directors' Committee received report.
March 6, 2017: The Executive Committee received report.

Fiscal Impact:

Activities for the Regional Streetlight Program are included in the Agency's adopted Fiscal Year 2016/2017 Budget. The additional costs associated with this contract amendment in the amount of $70,779 will be reflected in an upcoming Agency Budget Amendment.

Attachments:

1. Draft Light Pollution Ordinance.
2. Mt. Palomar Letter of Support.
3. National Science Foundation Letter.

Item 6.C

Regional Streetlight Program Activities Update

Attachment 1

Draft Light Pollution Ordinance

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PROPOSED REVISED ORDINANCE NO. 655P REGULATING LIGHT POLLUTION

Developed for WRCOG by James Benya, Benya Burnett Consultancy and Christian Monrad, Monrad Engineering for the WRCOG Southern Contracting LED Replacement Lighting Team

October 23, 2016 REV 10-25-16

Section 1. INTENT

The purpose of this Ordinance is to provide regulations for outdoor lighting that will:

a. Help mitigate light pollution, reduce skyglow and improve the nighttime environment for astronomy and the Palomar Observatory and the overall enjoyment of the naturally dark night sky;
b. Minimize adverse offsite impacts of lighting such as light trespass, and obtrusive light.
c. Help protect human health and wellness and the natural environment from the adverse effects of man-made outdoor lighting.
d. Conserve energy and resources to the greatest extent possible.

Section 2. CONFORMANCE WITH APPLICABLE LAWS, CODES, REGULATIONS and ORDINANCES.

All outdoor luminaires shall be installed in conformance with the provisions of this ordinance and the applicable provisions of the ordinances of the County of Riverside regulating the installation of such fixtures, the California Building Code Title 24 Part 2, the California Electrical Code Title 24 Part 3, the California Building Energy Efficiency Standards Title 24 Part 6, the California Sustainability Standards Title 24 Part 11 “CalGreen”, and all other applicable requirements.

Section 3.
SCOPE

The provisions of this code apply to the construction, alteration, movement, enlargement, replacement and installation of outdoor lighting throughout the unincorporated areas of Riverside County, including but not limited to:

A. Lighting on private property, such structures, areas, features, security and advertising.
B. Lighting for private roadways, walkways and bikeways.
C. Lighting for public property such as structures, areas, features, security and advertising.

1. Facilities, sites or roadways under the sole jurisdiction of the Federal or State Governments or within the jurisdiction of a sovereign nation.
2. Lighting specifically governed by a Federal or State regulation or statute.
3. Lighting subject to the terms of a special plan approved by the County.

Section 4.
APPROVED MATERIALS AND METHODS OF INSTALLATION.

This ordinance is not intended to prevent the use of any design, material or method of installation not specifically forbidden, provided any such alternate has been approved. The Planning Director may approve any such proposed alternate if it:

A. Provides at least approximate equivalence to the applicable specific requirements of this ordinance; and
B. Is otherwise satisfactory and complies with the intent of this ordinance.

Section 5. DEFINITIONS.

A. **Luminaire** means a complete illuminating device, lighting fixture or other device that emits light, consisting of light source(s) together with the parts designed to distribute the light, to position and protect the light source(s), to regulate the electrical power, and to connect the light sources to the power supply.
B. **Outdoor luminaire** means a luminaire, whether permanently installed or portable, that is installed outdoors, whether completely or partly exposed or under a canopy, and used for general or task illumination for any of the following applications:
   1. Lighting for and around buildings and structures.
   2. Lighting for parks and recreational facilities.
   3. Parking lots and garages.
   4. Landscape lighting.

5. Outdoor advertising displays and other signs.
6. General area lighting for commerce, industry or security.
7. Street and roadway lighting.
8. Walkway, bikeway and lighting.

C. **Class I lighting** means all outdoor luminaires used for but not limited to outdoor sales or eating areas, assembly or repair area, outdoor advertising displays and other signs, recreational facilities and other similar applications when color rendition is important.
D. **Class II lighting** means all outdoor lighting used for but not limited to illumination for walkways, private roadways and streets, equipment yards, parking lot and outdoor security when color rendering is not important.
E. **Class III lighting** means that lighting not meeting Class I or Class II purposes and used primarily for decorative effects. Examples of Class III lighting include, but are not limited to, the illumination of flag poles, trees, fountains, statuary, and building walls.
F. **Planning Director** means the Director of Planning of the County of Riverside or representative(s) designated by the Planning Director.
G. **IES** means the Illuminating Engineering Society of North America.
H. **Zone A** means the circular area fifteen (15) miles in radius centered on Palomar Observatory.
I. **Zone B** means the circular ring area defined by two circles, one forty-five (45) miles in radius centered on Palomar Observatory, and the other the perimeter of Zone A.
J. **Zone C** means the remainder of the County outside of the perimeter of Zone B.
K. **Individual** means any private individual, tenant, lessee, owner or any commercial entity, including, but not limited to, companies, partnerships, joint ventures or corporations.
L. **Installed** means any installation of outdoor luminaires after the effective date of this ordinance. Projects with construction plans approved by the County prior to the effective date of this ordinance are excluded from installation in compliance with this ordinance.
M. **BUG rating of an outdoor luminaire** means the ranking of the luminaire using a photometric report to establish the Backlight (B), Uplight (U) and Glare (G) ranking according to IES TM-15-11.
N. **Fully Shielded Luminaire** means an outdoor luminaire where no light is emitted at or above an angle of 90 degrees above the nadir as evidenced by a photometric test report from a NVLAP accredited testing laboratory in which the uplight value (U) is 0. Any structural part of the luminaire providing shielding shall be permanently attached.
O. **Partly Shielded luminaire** means outdoor luminaires that have a U (uplight) rating between 1 and 4.
P. **Unshielded luminaire** means outdoor luminaires that are not Fully Shielded or Partly Shielded and have a U (uplight) rating of 5 or no rating at all.
Q. **Outdoor Advertising Display** means advertising structures and signs used for outdoor advertising purposes, not including onsite advertising signs, as further defined and permitted in Article XIX of Ordinance No. 348.

R. **Outdoor Recreational Facilities** means public or private facilities designed and equipped for the conduct of sports, leisure time activities and other customary and usual recreational activities. Outdoor recreational facilities include, but are not limited to, fields for softball, baseball, football, soccer, and any other field sports, courts for tennis, basketball, volleyball, handball and other court sports, for which the level of play according to IES RP-6-15 Section 4.4 is Class III or Class IV.

S. **Outdoor Sports Facilities** include fields for softball, baseball, football, soccer, and other field sports, courts for tennis, basketball, volleyball, handball and other court sports, and outdoor stadiums in which the level of play, according to RP-6-15 Section 4.4 is Class I or Class II.

T. **Lamp or source.** Generic term for a man-made source of light. In the context of this Code, a lamp is the user-replaceable electrically powered light bulb, fluorescent or neon tube, or LED light source.

U. **LED** means light emitting diode solid state lighting source.

LED Hybrid means a dedicated LED luminaire employing LED devices of two or more different colors, typically a white LED and a colored LED. For the purposes of this Ordinance, the white LED shall not exceed 3000K and the other color LED(s) must be green, amber, orange and/or red. Blue or violet LEDs are not permitted.

LED Amber means an LED luminaire employing amber or yellow colored LED devices.

Filtered LED (FLED) means a dedicated LED luminaire employing white LED devices and has a permanently affixed color filter to remove blue light and giving the appearance of an amber or yellow-green light.

V. **Curfew** means a time established for listed lighting systems to be automatically extinguished.

W. **Dedicated LED** means a luminaire with a hard-wired LED light generating module and a separate driver.

X. **Outdoor Luminaire Light Output** means the amount of light, measured in lumens, generated by a luminaire. The luminaire lumens shall be the rated lumens of the luminaire according to a photometric report from a NVLAP certified test laboratory.

Section 6.
TITLE 24 LIGHTING ZONES

For the purposes of complying California Code of Regulations, Title 24, Part 1, Section 10-114 and Title 24, Part 6, Section 140.7, Zone A as defined above shall be Lighting Zone 1 (LZ-1), Zone B as defined above shall be Lighting Zone 2 (LZ-2) . The balance of the County shall be LZ-2 or LZ-3 per the statewide default zones.

The Planning Director shall establish a method for applicant(s) to request and for the Planning Director to set a different lighting zone per Title 24, Part 1 Section 10-114 for a specific parcel or project.

Section 7.
GENERAL REQUIREMENTS.

Light sources are restricted by lighting zone according to the following Tables:

TABLE 7-1 Class I Lighting (color rendering is important)

ALL LUMINAIRES SHALL BE FULLY SHIELDED			
Source	**Zone A and LZ-1**	**Zone B and/or LZ-2**	**Zone C and/or LZ-3**
LED >3000K	Not allowed	Not allowed	Not allowed
LED 3000K	Allowed	Allowed	Allowed
LED 2700K or less	Allowed	Allowed	Allowed
Incandescent or 2700K or lower LED replacement lamps	Allowed	Allowed	Allowed
LED amber, hybrid or filtered	Allowed[1]	Allowed[1]	Allowed[1]
Metal halide, fluorescent, compact fluorescent, induction	Not allowed	Allowed if 3000K or less	Allowed if 3000K or less
High pressure sodium	Allowed[1]	Allowed[1]	Allowed[1]
Low pressure sodium	Allowed[2]	Allowed[2]	Allowed[2]
Neon or cold cathode	Not allowed	Not allowed	Not allowed
Other light sources[3]	Not allowed	Not allowed	Not allowed

Notes

1 Not recommended due to poor color rendering

2 Not recommended – source is obsolete and has no color rendering

3 For light sources not listed, applicants may appeal as provided under Section 3.

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TABLE 7-2 Class II Lighting (color rendering is not important)

ALL LUMINAIRES SHALL BE FULLY SHIELDED			
Source	**Zone A and LZ-1**	**Zone B and LZ-2**	**Zone C and LZ-3 or 4**
LED >3000K	Not allowed	Not allowed	Not allowed
LED 3000K	Not allowed	Allowed	Allowed
LED 2700K or less	Allowed	Allowed	Allowed
Incandescent or 2700K or lower LED replacement lamps	Allowed	Allowed	Allowed
LED amber, hybrid or filtered	Allowed	Allowed	Allowed
Metal halide, fluorescent, compact fluorescent, induction	Not allowed	Not allowed	Not allowed
High pressure sodium	Allowed	Allowed	Allowed
Low pressure sodium	Allowed[1]	Allowed[1]	Allowed[1]
Neon or cold cathode	Not allowed	Not allowed	Not allowed
Other light sources[2]	Not allowed	Not allowed	Not allowed

Notes

[1] Not recommended – source is obsolete and has no color rendering

[2] For light sources not listed, applicants may appeal as provided under Section 3.

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TABLE 7-3 Class III Lighting (decorative lighting)

<table>
<tr><th colspan="4">LUMINAIRES SHALL BE FULLY SHIELDED EXCEPT AS NOTED</th></tr>
<tr><th>Source</th><th>Zone A
and LZ-1</th><th>Zone B
and LZ-2</th><th>Zone C
and LZ-3 or 4</th></tr>
<tr><td>LED >3000K</td><td>Not allowed</td><td>Not allowed</td><td>Not allowed</td></tr>
<tr><td>LED 3000K</td><td>Not allowed</td><td>Allowed</td><td>Allowed</td></tr>
<tr><td>LED 2700K or less</td><td rowspan="3">Allowed
May be partly shielded or unshielded up to 450 lumens</td><td rowspan="3">Allowed
May be partly shielded or unshielded up to 600 lumens</td><td rowspan="3">Allowed
May be partly shielded or unshielded up to 1000 lumens</td></tr>
<tr><td>LED amber, hybrid or filtered</td></tr>
<tr><td>Incandescent or 2700K or lower LED replacement lamps</td></tr>
<tr><td>Metal halide, fluorescent, compact fluorescent, induction</td><td>Not allowed</td><td>Not allowed</td><td>Not allowed</td></tr>
<tr><td>High pressure sodium</td><td>Allowed</td><td>Allowed</td><td>Allowed</td></tr>
<tr><td>Low pressure sodium[1]</td><td>Allowed[1]</td><td>Allowed[1]</td><td>Allowed[1]</td></tr>
<tr><td>Neon or cold cathode</td><td>Not allowed</td><td>Not allowed</td><td>Not allowed</td></tr>
<tr><td>Other light sources[2]</td><td>Not allowed</td><td>Not allowed</td><td>Not allowed</td></tr>
</table>

Notes

[1] Not recommended – source is obsolete and has no color rendering

[2] For light sources not listed, applicants may appeal as provided under Section 3.

Section 8.
SUBMISSION OF PLANS AND EVIDENCE OF COMPLIANCE.

The application for any required County approval for work involving nonexempt outdoor luminaires shall include evidence that the proposed work will comply with this ordinance. The submission shall contain, but not be limited to, the following:

A. The location of the site where the outdoor luminaires will be installed;
B. Plans indicating the location and type of fixtures on the premises;
C. A description of the outdoor luminaires, including, but not limited to, manufacturer's catalog cuts and drawings.
D. Photometric reports from a NVLAP accredited laboratory indicating luminaire light source type, color temperature, and BUG rating.

The above required plans and descriptions shall be sufficiently complete to enable the County to readily determine whether compliance with the requirements of this ordinance will be secured. If such plans and descriptions cannot enable this ready determination, by reason of the nature or configuration of the devices, fixtures or lamps proposed, the applicant shall submit further evidence of compliance enabling such determination.

Section 9.
PROHIBITIONS.

A. All lighting shall be off between 11:00 p.m. and one hour before sunrise, except as follows:

    1. Motion sensors may be used for Class I lighting after 11:00 p.m.

    2. Class II lighting may remain on all night but shall employ motion sensors to turn lights off or dim lights when there is no motion after 11:00 p.m.

    3. On-premise advertising signs shall only be illuminated while the business facility is open to the public

    4. Outdoor advertising displays may remain lighted until midnight.

    5. Outside sales, commercial, assembly, repair, and industrial areas shall only be lighted when such areas are actually in use.

    6. Outdoor recreational facilities may remain lighted to complete recreational activities that are in progress and under illumination in conformance with this ordinance at 11:00 p.m.

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B. Operation of searchlights or aerial lasers for advertising purposes is prohibited.

C. All external sign and billboard lighting shall be top-down. Bottom mounted signs are prohibited. Signs shall comply with the sign code.

D. Use of mercury vapor lamps is prohibited.

Section 10.
PERMANENT EXCEPTIONS.

A. Nonconformance. All outdoor luminaires existing and legally installed prior to the effective date of this ordinance are exempt from the requirements of this ordinance except that:

    1. When existing luminaries are reconstructed or replaced, such reconstruction or replacement shall be in compliance with this ordinance.

    2. Sections 9 b, c, d and e regarding hours of operation shall apply.

B. Fossil Fuel Light. All outdoor luminaires producing light directly by combustion of fossil fuels (such as kerosene lanterns, and gas lamps) are exempt from the requirements of this ordinance.

C. Holiday Decorations. Lights used for holiday decorations are exempt from the requirements of this ordinance.

D. Outdoor Sports Facilities may employ either:

    a. Up to 6000K LED lighting systems provided (1) the lighting system employs shielding to completely prevent uplight; (2) the lighting is controlled by motion sensors or from a control booth; and (3) the lighting is dimmable and designed to use the least amount of light necessary for the activity; and (4) the lighting system has a fixed curfew of 11:00PM that can be overridden from the control booth.

    b. Up to 5700K Metal halide lighting systems provided (1) the lighting system employs shielding to completely prevent uplight; (2) the lighting is controlled from a control booth and does not automatically turn on; (3) the lighting system has a fixed curfew of 11:00PM that can be overridden from the control booth.

Section 11.
TEMPORARY EXEMPTIONS.

A. Information Required. Any individual may submit a written request to the Planning Director for a temporary exemption from the requirements of this ordinance. The filing fee for the temporary exemption shall be $50.00. The Request for Temporary Exemption shall contain the following information:

1. Name, address and telephone number of the applicant;
2. Location of the outdoor luminaires for which the exemption is requested;
3. Specific exemption(s) requested;
4. Use of the outdoor luminaires involved;
5. Duration of the requested exemption(s);
6. Type of outdoor light fixture to be used, including the light source and color temperature, total lumen output, character of the shielding, if any;
7. Previous temporary exemptions, if any;
8. Such other data and information as may be required by the Planning Director. The Planning Director shall have ten (10) business days from the date of receipt of the Request for Temporary Exemption to approve or disapprove the request. The applicant will be notified of the decision in writing.

B. Duration of Approval. The exemption shall be valid for not more than thirty (30) consecutive days from the date of issuance of approval. Exemptions are renewable for a period of not more than fifteen (15) consecutive days. Requests for renewal of a temporary exemption shall be processed in the same manner as the original request. No outdoor luminaires shall be exempted from this ordinance for more than forty-five days during any twelve (12) month period.

Exception to Section 11 (B.): An exemption for portable lighting for construction shall be valid for one year and may be renewable on an annual basis.

C. Appeals. An applicant or any interested person may file an appeal from the decision of the Planning Director within 10 days of the date of mailing of the notice of decision to the applicant. The appellant may appeal that decision, in writing, to the Board of Supervisors, on forms provided by the Planning Department, which shall be accompanied by a filing fee of $25.00. Upon receipt of a completed appeal, the Clerk of the Board shall set the matter for hearing before the Board of Supervisors not less than five days nor more than 30 days thereafter and shall give written notice of the hearing to the appellant and the Planning Director. The Board of Supervisors shall render its decision within 30 days following the close of the hearing on the appeal.

Section 12.
EMERGENCY EXEMPTIONS.

This ordinance shall not apply to portable temporary lighting used by law enforcement or emergency services personnel to protect life or property.

Section 13.
CONFLICTS.

Where any provision of the statutes, codes or laws of the United States of America or the State of California conflicts with any provision of this ordinance, the most restrictive shall apply unless otherwise required by law.

Section 14.
VIOLATIONS AND PENALTIES.

It shall be unlawful for any individual to operate, erect, construct, enlarge, alter, replace, move, improve, or convert any lighting structure, or cause the same to be done, contrary to or in violation of any provision of this ordinance.

Any individual violating any provision of this ordinance shall be deemed guilty of an infraction or misdemeanor as hereinafter specified. Such individual shall be deemed guilty of a separate offense for each and every day or portion thereof during which any violation of anyof the provisions of this ordinance is committed, continued, or permitted.

Any individual convicted of a violation of this ordinance shall be (1) guilty of an infraction offense and punished by a fine not exceeding one hundred dollars ($100) for a first violation: (2) guilty of an infraction offense and punished by a fine not exceeding two hundred fifty dollars ($250) for a second violation on the same site and perpetrated by the same individual. The third and any additional violations on the same site and perpetrated by the same individual shall constitute a misdemeanor offense and shall be punishable by a fine not exceeding one thousand dollars ($1,000) or six months in jail, or both. Payment of any penalty herein shall not relieve an individual from the responsibility for correcting the violation.

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Section 15.
VIOLATIONS CONSTITUTE PUBLIC NUISANCE.

Any lighting structure erected, constructed, enlarged, altered, replaced, moved, improved, or converted contrary to the provisions of this ordinance shall be, and the same is hereby declared to be, unlawful and a public nuisance and subject to abatement in the manner provided by law. Any failure, refusal or neglect to obtain a permit as required by this ordinance shall be prima facie evidence of the fact that a public nuisance has been committed in connection with the erection, construction, enlargement, alteration, replacement, improvement, or conversion of a lighting structure erected, constructed, enlarged, altered, repaired, moved, improved, or converted contrary to the provisions of this ordinance.

Section 16.
SEVERABILITY.

If any provision of this ordinance or the application thereof to any individual or circumstance is invalid, the invalidity shall not affect other provisions or applications of this ordinance which can be given effect without the invalid provision or application, and to this end the provisions of this ordinance are severable.

Section 17.
EFFECTIVE DATE.

This ordinance shall take effect and be in force thirty (30) days after the date of its adoption.

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Item 6.C

Regional Streetlight Program Activities Update

Attachment 2

Mt. Palomar Letter of Support

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PALOMAR OBSERVATORY
CALIFORNIA INSTITUTE OF TECHNOLOGY
P.O. Box 200 / 35899 Canfield Road Palomar Mountain, CA 92060
Telephone (760) 742-2100 / Fax (760) 742-1728
astro.caltech.edu/palomar

January 10, 2017

Tyler Masters
Program Manager
WRCOG
Riverside, CA 4080 Lemon St, 92501-3609

Dear Tyler,

I am writing you today on behalf of Palomar Observatory to express our support for your initiative regarding the Riverside County Regional Streetlight Program that seeks to replace 63,000 streetlights in the County with full consideration of all stakeholders. Further I wanted to express our gratitude for including us in the discussions of this initiative: you and your team were very gracious to include the Observatory among the interested parties in this initiative.

Under your leadership, the assembled stellar team consisting of Riverside and Hemet staff, the engineering consulting of Christian Monrad, James Benya, and Jim Filanc, who are well versed in the issues concerning artificial night sky brightness, created and implemented a series of night street scenes and information packets that helped inform participants in your tour groups and produce relevant survey results. On three tours that I attended, I witnessed the professional manner which the tours were conducted. Your novel use of QR codes placed on demonstration light poles allowing the public to enter survey data with smartphones is truly innovative.

Palomar Observatory has been, and continues to be an internationally prominent astronomical observatory, producing world class science and cutting edge innovation in instrumentation and data processing. The Observatory is focused on discovery and follow-up as a matter of principle intent. Our 48 inch Samuel Oschin Schmidt Telescope with its wide-field capabilities surveys the sky, and interesting objects it finds are then analyzed in detail by the Hale 200 inch telescope, the largest in the world for the four decades after its construction. The Observatory is world renowned for the design and engineering of its construction, in the days before modern computer-based methods were available. Today the combination of Palomar Observatory, Caltech, JPL and other partners continues in the tradition of cutting edge research. In partnership with the US National Science Foundation we are developing a state of the art 10 Million dollar camera system that will be able to obtain hundreds of images per night with a quality far exceeding historical photographic techniques. Modern data processing and machine learning methods will yield an unprecedented discovery rate, and the collected data harvested by an international science team. The Observatory also continues to equip the 200 inch Hale and 60 inch Oscar Mayer telescopes with modern instrumentation and from collaborations that make the highest use of these systems and resulting data. Included with this letter is a copy of a statement from the National Science Foundation outlining why Palomar Observatory continues to be a national strategic investment in the US science portfolio.

We believe our common interests in the control of Riverside County night sky brightness are well-aligned. Your leadership in Riverside County lighting strategy clearly serves public safety, nighttime environment, and environmental sustainability objectives for county residents. That these shared goals can also lead to reduced sky brightness for astronomy research and public enjoyment is a positive alignment of our interests. Riverside County residents will be able to take pride in being responsible stewards of the environment and in their partnership with the Observatory in exploring humankind's connection to our universe. Your effort to help others appreciate and balance needs of community with the impact of night lighting will allow the Observatory to continue producing world class science that will inspire generations to come and makes all involved, a member of the extended Palomar family.

We urge you to consider promoting using lights with the lowest blue content, color temperatures less than 3,000K, and the use of distributed controlled dimming to enhance public safety, reduce energy costs and extend the life of the LEDs. The ability to dim allows the use of condition dependent brightness programming to balance the needs of the County with the reduction of artificial night sky brightness and can aid law enforcement and public safety.

Sincerely,

Dan McKenna
Palomar Observatory Scientist

Item 6.C

Regional Streetlight Program Activities Update

Attachment 3

National Science Foundation Letter

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National Science Foundation
Division of Astronomical Sciences
4201 Wilson Blvd., Suite 1045
Arlington VA, 22230

Richard Barvainis
Program Director
(703) 292-4891
rbarvai@nsf.gov

To Whom It May Concern:

This letter is to articulate and codify the National Science Foundation's (NSF) interest in astronomical site protection for Palomar Observatory in North San Diego County, and to request your help in protecting this important shared resource.

Palomar Observatory was originally conceived in the late 1920s, and has been in continuous scientific operation since 1936. During that time it has been at the forefront of astronomical discovery, producing a wealth of seminal results that inform our understanding of the physical universe and mankind's connection to it. Palomar is a private facility, owned by the California Institute of Technology (Caltech), and operated by Caltech on behalf of an international consortium of research institutions. Palomar telescopes are operating every clear night of the year, and support the active research of hundreds of US and international astronomers.

Recently Palomar has been particularly active in the emerging field of transient astronomy – the study of astronomical sources that change in brightness and/or position with time. As a result of a peer-reviewed competition, the NSF has made a sizable award to Caltech through its Mid-Scale Innovation Program (MSIP) to bring a new wide-field optical camera and a survey program to operate it to the Palomar 48-inch Samuel Oschin Telescope. This camera will serve as the discovery engine for the Zwicky Transient Facility (ZTF). The NSF's investment in ZTF will make the federal government and the US astronomical community partners in Palomar science and the Observatory's productivity.

As a Palomar partner, the NSF and the US taxpayers who support it have a compelling interest in protecting the Observatory as an astronomical site; in order to take the best scientific advantage of Palomar conditions and the federal investment it is important to limit scattered artificial light from surrounding communities that interferes with astronomical observations. That is where you come in. For many years the Observatory has enjoyed excellent relations with its Southern California neighbors, and both groups have worked together to limit ambient light in the Palomar skies that might otherwise compromise astronomical observations. The emerging technologies of LED-based products holds the promise of making exterior lighting more efficient, affordable, and environmentally sustainable. But care must be taken to avoid adverse impacts of excessive ambient light on both astronomical observations and public appreciation of the night sky. With proper product selection and management total ambient light in the night sky can be reduced at the same time that community safety and sustainability is enhanced.

That is why we are writing here – to enlist your help as a stakeholder in the Southern California environment to work with Palomar Observatory and the NSF to help protect our night sky conditions. For Palomar and the NSF your cooperation is critical to insure we can take full advantage of the nation's investment in Palomar science. For you we hope your communities will be able to better enjoy the shared natural wonders of the night sky. Please be receptive to the Observatory community as they reach out to engage neighboring communities in planning and discussing their lighting needs.

Thank you in advance for your time and cooperation in this important matter.

Signed,

Richard Barvainis
Program Director

Western Riverside Council of Governments
Technical Advisory Committee

Staff Report

Subject: **Report from the League of California Cities**

Contact: **Erin Sasse, Regional Public Affairs Manager, League of California Cities, esasse@cacities.org, (951) 321-0771**

Date: **March 16, 2017**

***The purpose of this item is to** inform the Committee of activities undertaken by the League of California Cities.*

Requested Action:

1. Receive and file.

This item is reserved for a presentation from the League of California Cities Regional Public Affairs Manager for Riverside County.

Prior Action:

February 16, 2017: The Technical Advisory Committee received report.

Fiscal Impact:

This item is informational only; therefore, there is no fiscal impact.

Attachment:

None.