Western Riverside Council of Governments
Public Works Committee

AGENDA

Thursday, March 9, 2017
2:00 p.m.

Transportation's 14th Street Annex
3525 14th Street
2nd Floor, Conference Room 3
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 Public Works Committee meeting, please contact WRCOG at (951) 955-8933. 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 the 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 items, will be available for inspection by members of the public prior to the meeting at 4080 Lemon Street, 3rd Floor, Riverside, CA, 92501.

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

1. CALL TO ORDER (Dan York, Chair)

2. SELF INTRODUCTIONS

3. PUBLIC COMMENTS

At this time members of the public can address the Public Works 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.

4. 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 9, 2017 Public Works Committee meeting are available for consideration. **P. 1**

Requested Action: *1. Approve the Summary Minutes from the February 9, 2017, Public Works Committee.*

B. TUMF Revenue and Expenditures Update ***Andrew Ruiz*** **P. 9**

Requested Action: *1. Receive and file.*

C. Financial Report Summary through January 2017 ***Andrew Ruiz*** **P. 17**

Requested Action: *1. Receive and file.*

5. REPORTS/DISCUSSION

A. Regional Streetlight Program Activities Update ***Tyler Masters, WRCOG*** **P. 23**

Requested Action: *1. Discuss and provide input on the draft County of Riverside Lighting Ordinance and Lighting Analysis Specification sheet.*

B. Riverside Transit Agency Activities Update ***Rohan Kuruppu, Riverside Transit Agency*** **P. 49**

Requested Action: *1. Receive and file.*

C. Transportation Uniform Mitigation Fee (TUMF) Nexus Study Update ***Daniel Ramirez-Cornejo, WRCOG*** **P. 51**

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

D. Transportation Uniform Mitigation Fee (TUMF) Calculation Update ***Christopher Gray, WRCOG*** **P. 61**

Requested Action: *1. Discuss and provide input.*

E. Work Plan for Proposed Grant Writing Assistance Program for Local Jurisdictions ***Christopher Tzeng, WRCOG*** **P. 63**

Requested Action: *1. Discuss and provide input.*

6. REPORT FROM THE DIRECTOR OF TRANSPORTATION ***Christopher Gray***

7. ITEMS FOR FUTURE AGENDAS ***Members***

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

8. GENERAL ANNOUCEMENTS ***Members***

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

9. NEXT MEETING: **The next Public Works Committee meeting is scheduled for Thursday, April 13, 2017, at 2:00 p.m., in Transportation's 14th Street Annex, 2nd Floor, Conference Room 3.**

10. ADJOURNMENT

Public Works Committee **Item 4.A**
February 9, 2017
Summary Minutes

1. CALL TO ORDER

The meeting of the Public Works Committee (PWC) was called to order at 2:01 p.m. by Chairman Dan York at Transportation's 14th Street Annex, 2nd Floor in Conference Room 3.

2. ROLL CALL

Members present:

Art Vela, City of Banning
Nelson Nelson, City of Corona
Craig Bradshaw, City of Eastvale
Nino Abad, City of Hemet
Jonathan Smith, City of Menifee
Ahmad Ansari, City of Moreno Valley
Bob Moehling, City of Murrieta
Sam Nelson, City of Norco
Brad Brophy, Cities of Perris, and San Jacinto
Jeff Hart, City of Riverside (arrival 2:09 p.m.)
Patrick Thomas, City of Temecula (arrival 2:06 p.m.)
Dan York, City of Wildomar (Chair)
Patricia Romo, County of Riverside Transportation & Land Management (TLMA)
Jeff Smith, March Joint Powers Authority
Kristin Warsinski, Riverside Transit Agency

Staff present:

Christopher Gray, Director of Transportation
Christopher Tzeng, Program Manager
Andrew Ruiz, Program Manager
Tyler Masters, Program Manager
Daniel Ramirez-Cornejo, Staff Analyst
Cherish Latchman, Staff Technician
Lupe Lotman, Executive Assistant

Guests present:

Michael Heath, City of Calimesa
Amer Attar, City of Temecula
Glenn Higa, TLMA
Darren Henderson, Parsons Brinckerhoff
Paul Rodriguez, Rodriquez Consulting Group
Martha Durbin, Riverside County Transportation Commission
Miguel Navez, Fehr & Peers
David Theriault, Philips Lighting

3. PUBLIC COMMENTS

There were no public comments.

4. CONSENT CALENDAR - *(Moehling/Romo) 14 yes; 0 no; 0 abstention. Items 4.A through 4.D were approved by a unanimous vote of those members present. The Cities of Calimesa, Canyon Lake, Jurupa Valley, Lake Elsinore, and Riverside County Transportation Commission were not present.*

A. Summary Minutes from the January 12, 2017 Public Works Committee meeting are available for consideration.

Action: *1. Approved the Summary Minutes from the January 12, 2017, Public Works Committee meeting.*

B. TUMF Revenue and Expenditures Update

Action: *1. Received and filed.*

C. Financial Report Summary through December 2016

Action: *1. Received and filed.*

D. WRCOG 2017-2018 Legislative Platform

Action: *1. Received and filed.*

5. REPORTS/DISCUSSION

A. Regional Streetlight Program Activities Update

Tyler Masters indicated that the Regional Streetlight Program is a program that WRCOG is developing to assist cities through the streetlight acquisition process. Additionally, WRCOG is supporting and identifying the financing opportunities that are available for streetlight light acquisition as well as streetlight retrofit.

Mr. Masters reported that WRCOG has implemented and installed one of the region's largest LED outdoor demonstration areas hosted in the City of Hemet. WRCOG invited twelve outdoor LED manufacturers to participate. In addition, WRCOG was able to obtain 150 LED fixtures and install them across the City of Hemet. As part of this exercise, WRCOG partnered with Riverside Transit Agency (RTA) to lead a series of guided tours to provide an opportunity for elected officials, city staff and management, as well as residents to view the demonstration area. There were a total of five tours that included the participation of thirty-five agencies and companies, as well as 123 attendees, excluding WRCOG staff. The results of the demonstration tours, which included a survey of participants as well as public polling, will be made available in March 2017.

Mr. Masters reported the acquisition status for a number of cities. The City of Lake Elsinore and Moreno Valley will be purchasing their streetlights back from Southern California Edison. Also, there are currently several cities looking to their City Council to make a decision within the next month on whether or not to participate in this acquisition process.

Mr. Masters indicated that there were numerous meetings held between WRCOG and different city staff in March and April of last year to identify the need to develop or update the community standards for each city. WRCOG has identified that Riverside County's Ordinance Number 655, with regard to light pollution, is the basis for many streetlight standards and that many cities have adopted this standard. WRCOG has engaged Mount Palomar staff and is attempting to update the existing standard to LED modernization technology. More information pertaining to this ordinance update is included as an attachment to the staff report for the PWC to review and provide comments. In March, these ordinance updates will be revisited with a more detailed presentation.

Christopher Gray requested additional information regarding deadlines, the Southern California Edison (SCE) process, and extensions.

Mr. Masters reported that in the beginning of this endeavor, SCE offered the opportunity for cities to open up discussion for streetlight acquisition. In August of 2015, this opportunity was no longer available. As discussions between cities and SCE developed with regard to estimated price tags, a deadline was created. WRCOG has been working closely with SCE, which has decided to provide extensions for cities. Depending on the jurisdiction, the final deadline for potential participating cities is by the end of February and Mach.

Chairman Dan York asked the PWC to review the detailed financing cash flow. Year two is critical because there is an assumption that the participating city will be due for a California Public Utility Commission rebate. This rebate should be tracked carefully as it possible this rebate will not be available in 2018. The best opportunity to receive this rebate will be if a city has completed its retrofit in 2017; if not, the rebate will need to be tracked carefully. This is important for the financial model.

Mr. Masters added that the rebate for the WRCOG subregion is approximately $3.5 million to $4 million.

Committee member Jonathan Smith highlighted that there are a few issues with regard to indemnification for the poles as well as the reimbursement for the Board of Equalization (BOE) for the property tax that the cities will pay for, followed by a rebate request.

Mr. Masters replied that WRCOG is working with staff from the City of Menifee and once a resolution has been reached the streetlight contacts will be notified. It is important to note that SCE pays the property tax on the streetlights. As a result, they are requiring that as part of the purchasing price, cities will pay the property tax that SCE has paid to date. Once a city has acquired the poles they can work with the County to receive a reimbursement. However, as the city has discovered, it may not be the County tax assessor, but the BOE, that will need to be contacted for the reimbursement. As soon as WRCOG has more information an update will be provided.

Committee member Patrick Thomas asked if the plan is moving forward with regard to the test areas.

Mr. Masters replied that the results will be made available to the Planning Directors' and Public Works Committees next month and provide a short list of the publics' opinion as well as the photometric analysis and science associated with the streetlights.

<u>Action</u>: *1. Received and filed.*

B. Fiscal Year 2017/2018 SB 821 Bicycle and Pedestrian Facilities Program Call for Projects

Martha Durbin reported that the Bicycle and Pedestrian Facilities Program is a discretionary program administered by the Riverside County Transportation Commission each year to present the local transportation funds that are reserved for the Program which is derived from a general sales tax. The current fund amount is $3.4 million and is estimated to last for two years. Eligible applicants are Riverside County cities and well as the County of Riverside. In addition, eligible projects include maintenance of trails and restriping of Class II bike lanes. A technical workshop will be held on February 16, 2017, at 1:30 p.m. at RCTC's office, Conference Room C. Also, all proposals will be due April 27, 2017, at 2:00 p.m. Ms. Durbin provided packets with details pertaining to the Program and the Biennial Call for Projects Guidelines.

<u>Action</u>: *1. Received and filed.*

C. Transportation Uniform Mitigation Fee (TUMF) Nexus Study Update

Daniel Ramirez-Cornejo reported that the TUMF Program is a supplemental revenue source that has contributed to the construction of more than 90 projects throughout the WRCOG subregion. Participation in the TUMF Program has allowed cities to continue to receive their Measure A dollars. Also, TUMF allows for CEQA mitigation measure for regional traffic impacts.

Mr. Ramirez-Cornejo indicated that in September 2015, the Executive Committee delayed finalizing the Nexus Study in order to incorporate the growth forecast from the revised 2016 SCAG Regional Transportation Plan (RTP). The data pulled from the forecast shows the projected growth over the next 25 years for Western Riverside County to increase to 655,698 in population, 250,082 for total number of households, and 400,668 in employment overall.

A Nexus Study update has not been conducted since 2009, while construction costs have increased by 30%. When compared to neighboring jurisdictions, fees assessed on new development in the WRCOG subregion are similar to San Bernardino County with the exception of the retail fee.

The Nexus Study sets the maximum fee that can charged by land use as well as identifying the projects that can be funded by the TUMF Program. Since the September 2015 delay, WRCOG incorporated the new Growth Forecast from the 2016 SCAG RTP, reviewed the TUMF Network (resulting in TUMF Network cost reductions of approximately $300 million), reviewed the fee calculation methodology, and incorporated a Vehicle Miles Traveled (VMT) approach.

Darren Henderson added that recent state statute requires that VMT be the basis for any traffic impact assessment in California.

Mr. Ramirez-Cornejo reported that in the draft 2015 Nexus Study there was a significant increase of all non-residential land uses in the proposed fee schedule. In response, WRCOG pursued a VMT approach, and reviewed the TUMF Network based on comments received in 2015.

Christopher Gray explained that the RivTAM data shows an average trip from home to work is 15 miles in the Western Riverside subregion. On the other hand, the average retail trip is 8 miles. National surveys suggests that non-residential trips do not generate trips that are as long as residential based trips

Mr. Ramirez-Cornejo indicated that in December 2016 the PWC approved the revised TUMF Network for inclusion in the Nexus Study. Staff conducted a comprehensive review of all of the facilities in the Network to ensure that they did meet the criteria to be included in the Program. Additionally, a fee study was conducted to develop a comprehensive fee analysis of all fees assessed on new development. Fees assessed on retail development are higher in the WRCOG subregion than those assessed in jurisdictions reviewed in San Bernardino and Orange Counties. As a total of development costs, TUMF represents between 1.3 percent and 3.5 percent of total development costs. It was also determined that other factors, such cost of land, labor, material, interest rates, and national economy will have a greater impact on development than an increase in fees.

The Executive Committee makes the ultimate determination in implementation of the TUMF Nexus Study. TUMF has always imposed consistent fees for all land uses across the member agencies. Additionally, any phasing or fee increase has been done uniformly.

In January, the Nexus Study Ad Hoc Committee selected the option of phasing-in the retail and single-family land use fees as the preferred option for implementation of the Nexus Study.

Chairman York asked if the Executive Committee agreed to the maximum fee, but phased-in any fee, would the phase-in result in reducing the maximum amount that can be received for a project.

Mr. Gray replied that the amount of money that a jurisdiction is eligible for has never been reduced as a result of phasing.

Mr. Ramirez-Cornejo mentioned if a new Nexus Study is not adopted, the 2009 Study will stand and key projects will not be eligible for TUMF funding. Approximately 16 projects that were added during the TUMF Network update would not be eligible for TUMF funding. Any change in fee would occur following action by the Executive Committee in May. WRCOG staff will conduct TUMF workshops with member jurisdictions to discuss transition to any change in fee.

Mr. Gray reported that WRCOG and the City of Beaumont have engaged in a settlement discussion. The Draft Nexus Study is being prepared with the City of Beaumont included in the Program.

Action: *1. Received and filed.*

D. Transportation Uniform Mitigation Fee (TUMF) Calculation Handbook Update

Christopher Gray reported on special categories for which there are unique calculations in the TUMF Calculation Handwork. These are intended to represent unique circumstance such as golf courses. There has been a request by several member agencies to include a special calculation for mixed-use. WRCOG is continuing to work on that by incorporating a case-by-case approach for calculating the initial mixed-use projects. Additionally, WRCOG is proposing to use a spreadsheet developed by the Environmental Protection Agency called the MXD model to determine trip generation rates of mixed-use developments. Historically, TUMF calculations were easy, but these mixed-use projects are complicated so WRCOG will do the calculations on a case-by-case basis. This is due to the ambiguity of the term mixed-uses. Also, a grant was received from SCAG to help implement requirements from SB 743; the grant will also look into the Mixed-use Trip Generation issue with respect to the use of vehicle miles traveled utilized in SB 743. Also, a new fee calculation handbook will be developed for what is called active adult, age-restricted housing. It may be single- or multi-family. The research shows that this kind of active adult produces fewer trips per unit than regular, market rate housing, usually due to retirement, no children living in the house, and is easily identifiable.

Committee member Patrick Thomas asked WRCOG staff to ensure that the trip generation rates from the model are consistent with the CEQA documents for the proposed developments.

Action: *1. Received and filed.*

E. Active Transportation Plan Update

Miguel Nunez reported that the finalized existing conditions reports have been shared and comments were received. The primary goal is to draft the Active Transportation Network. One important aspect of the ATP is to incorporate a health focus portion that focuses on establishing elements of the program to help monitor public health metrics.

There are several existing projects that can potentially be used for cross-collaboration such as RTA's First /Last Mile initiative and Riverside County's Trails Master Plan Update. The goal would be to not duplicate these efforts; rather each of these plans complements one another.

In December 2016, a criterion for regional active transportation projects was developed from a shared matrix. Based on the feedback provided, many jurisdictions are working on local projects that have regional value. Feedback was provided to the team by a majority of WRCOG member agencies. If an agency has not provided input, it does have more time to send input. A spreadsheet will be sent out that shows how each facility was evaluated along with the project list. Additionally a list and map will be emailed for reference.

A few examples of input provided by member agencies were provided. The Harrison Road Diet by the City of Eastvale is used to demonstrate the principle of local projects of regional significance. Although this project is mostly contained in the City of Eastvale, if completed along with the Santa Ana River Trail completion, this would provide access which will result in a larger regional network.

So far, there are 30 local projects being considered for the regional Active Transportation Plan. The finalized plan is scheduled to be released no later than September.

Action: *1. Received and filed.*

F. On-Call Planning Request for Proposal Update

Christopher Tzeng reported that WRCOG will be releasing an On-call Planning Request for Proposals (RFP). These new services are due in part to the comments and discussions the PWC has had. The RFP includes On-Call Transportation Planning, Climate Change / Sustainability Planning, Healthy Communities Planning, a Grant Writing Assistance Program, Demographic and Economic Forecasting, and WRCOG staff support.

As part of the On-Call Transportation Planning, operating RIVTAM will be included after the RIVTAM update is complete. The services will include producing forecasts for utilization by member jurisdictions. TUMF Program maintenance, which has been discussed throughout PWC meetings, will be included, as well. Additionally, WRCOG's current work on the Active Transportation Program (ATP) will hopefully turn into an ATP Program. The RFP includes tasks to assist in the development of a program to ensure that the projects identified in the plan can become a part of the program, and potential funding for these projects can be identified. However, it is an activity that WRCOG still wants to assist member jurisdictions with no matter what happens.

With regard to the Climate Change / Sustainability Planning, numerous jurisdictions have indicated that performing a Programmatic Environmental Impact Report for the Subregional Climate Action Plan would be helpful for implementation at the local jurisdiction level. Furthermore, the RFP will also request proposals on General Plan support that will emphasize sustainability support.

Healthy communities planning will develop one or more multi-jurisdictional healthy community initiatives within the WRCOG subregion. The Demographic and Economic Forecasting task will be used to develop forecast that will help with the next Nexus Study, and to support staff's efforts related to a regional economic development strategy that was requested by the WRCOG Technical Advisory Committee. WRCOG is encouraging any feedback.

Action: *1. Received and filed.*

G. Proposed Grant Writing Assistance Program for Local Jurisdictions and SCAG Sustainability Planning Grant Program Update

Christopher Tzeng indicated that WRCOG has convened a focus group to discuss details for the Grant Writing Assistance Program. There are a few main grants the Program will focus on to show the Executive Committee that there has been a positive return on its allocation of funds for the following three initiatives: ATP, Caltrans Sustainable Transportation Planning Grant Program, and the Affordable Housing and Sustainable Communities Program. There will also be an "Other" category that will focus on a variety of planning grants, such as General Plan, Specific Plan. The focus group discussed that many existing grants available are for infrastructure and not planning. It would great to identify grants for planning to better assist WRCOG's member jurisdictions. To ensure funds are utilized effectively, a short application will be required to access the Grant Writing Assistance funds to ensure it is consistent with WRCOG's Sustainability Framework. The focus group will reconvene this month to discuss final Program details.

Christopher Gray reported that the City of Wildomar received funding from SCAG for its city-wide Active Transportation Plan. Additionally, SCAG awarded funding for six projects in the region, including WRCOG's SB 743 Implementation Plan. WRCOG received approximately 15% of total funding which is proportional with the WRCOG population. Additionally, SCAG has not produced a ranking of projects, and the method of scoring they used is unknown.

Christopher Tzeng added that there is a Fee Comparison Calculation workshop invitation that was sent by email and hopes that the PWC members can attend.

Action: *1. Received and filed.*

6. REPORT FROM THE DIRECTOR OF TRANSPORTATION

Christopher Gray requested a presentation from the Riverside Transit Agency (RTA) on future projects. RTA is currently working on significant projects that would be beneficial for the PWC to be briefed on.

7. ITEMS FOR FUTURE AGENDAS

There were no items for future agendas.

8. GENERAL ANNOUNCEMENTS

Christopher Gray announced that due to a cost savings effort with the County of Riverside, WRCOG has settled on a new office at the Pacific Premier Bank located at 3403 Tenth Street in Riverside.

9. NEXT MEETING: The next Public Works Committee meeting is scheduled for Thursday, March 9, 2017, at 2:00 p.m., in the Transportation 14^{th} Street Annex, 2^{nd} Floor, in Conference Room 3.

10. ADJOURNMENT: The meeting was adjourned at 3:38 p.m.

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Western Riverside Council of Governments
Public Works Committee

Staff Report

Subject: **TUMF Revenue and Expenditures Update**

Contact: **Andrew Ruiz, Program Manager, ruiz@wrcog.cog.ca.us, (951) 955-8587**

Date: **March 9, 2017**

***The purpose of this item is to** update Committee members on the TUMF revenues, expenditures, and reimbursements since Program inception.*

Requested Action:

1. Receive and file.

For the month of January 2017, the TUMF Program received $1,671,278 in revenue.

To date, revenues received into the TUMF Program total $702,383,504. Interest amounts to $32,325,484, for a total collection of $734,708,988.

WRCOG has dispersed a total of $334,315,296 primarily through project reimbursements and refunds, and $21,093,146 in administrative expenses.

The Riverside County Transportation Commission share payments have totaled $318,846,007 through January 31, 2017.

Prior Action:

February 9, 2017: The Public Works Committee received report.

Fiscal Impact:

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

Attachment:

1. Summary TUMF Program Revenues.

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Item 4.B

TUMF Revenue and Expenditures Update

Attachment 1

Summary TUMF Program Revenues

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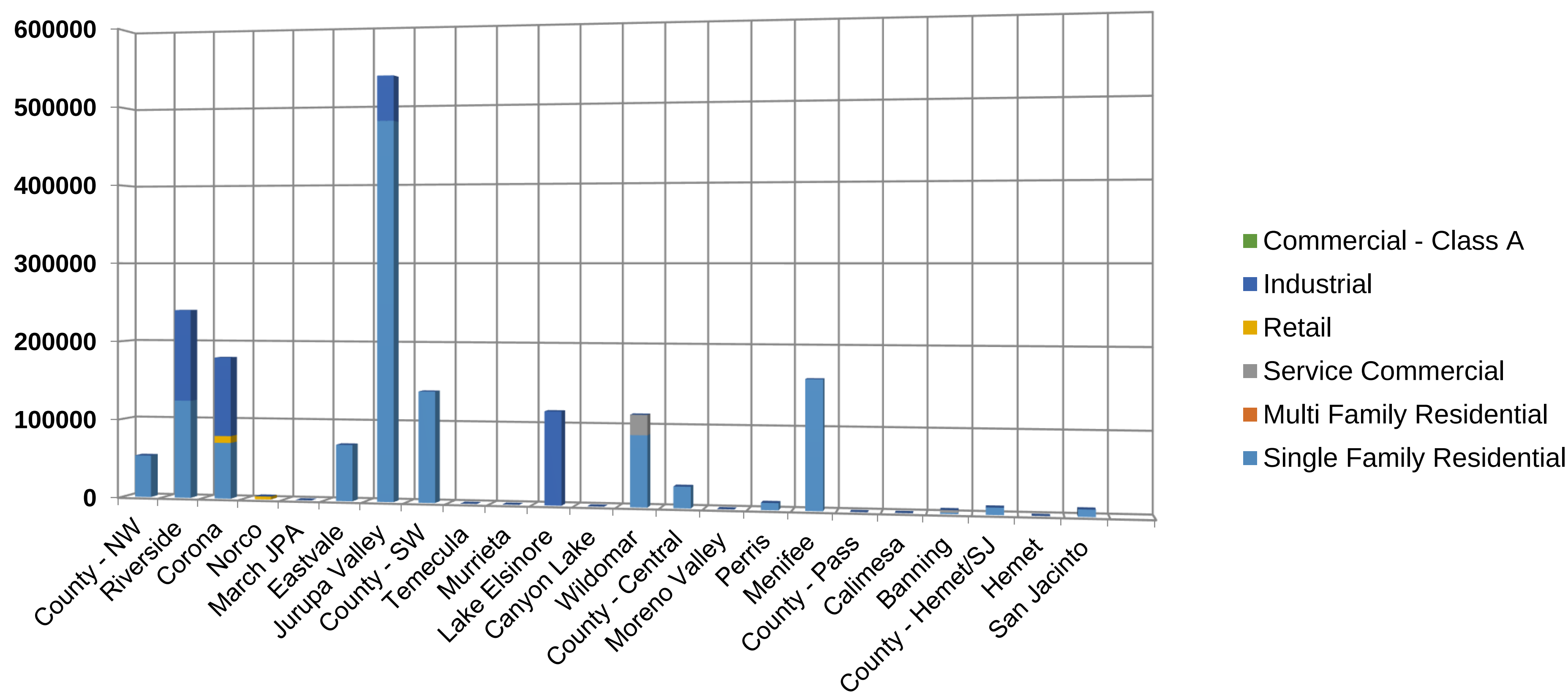
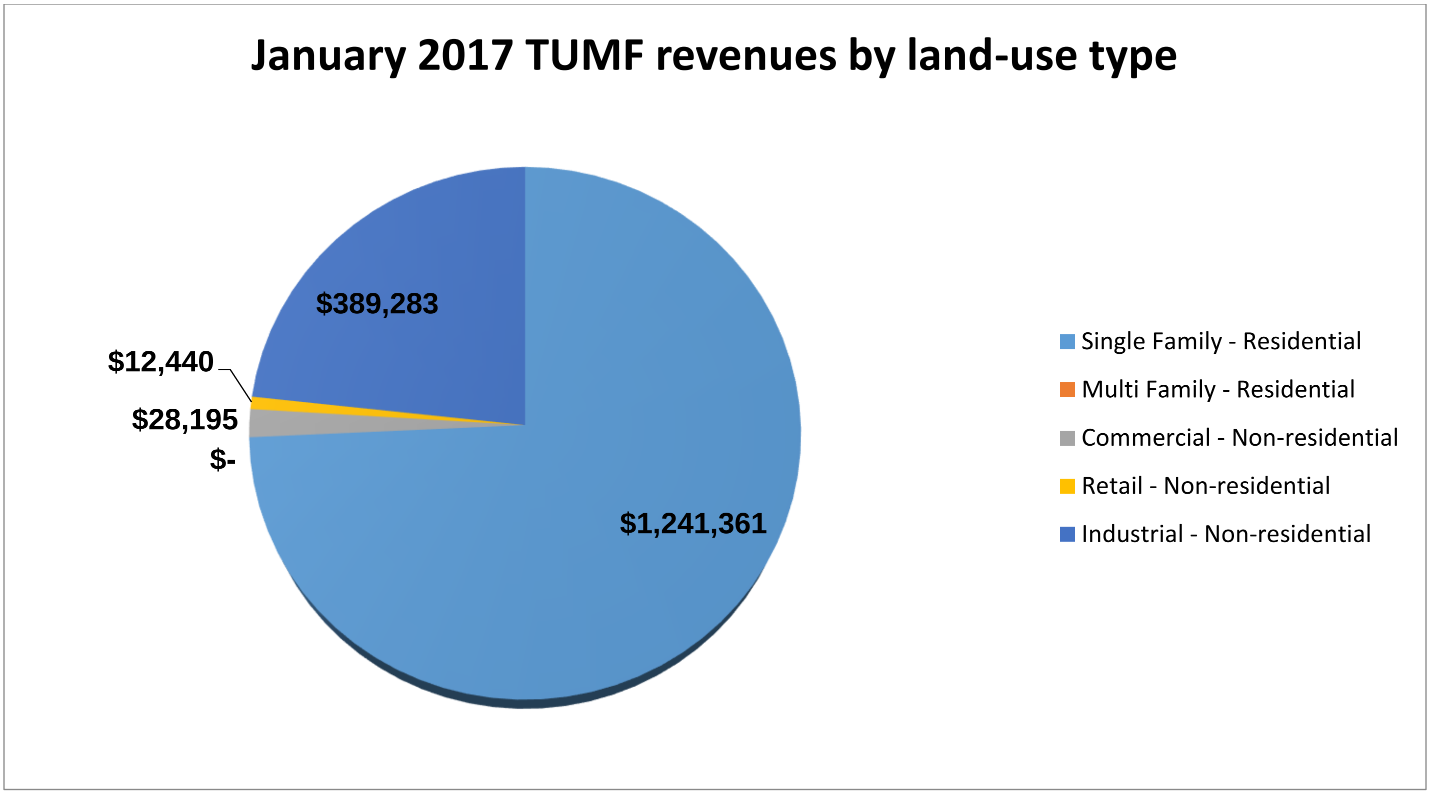
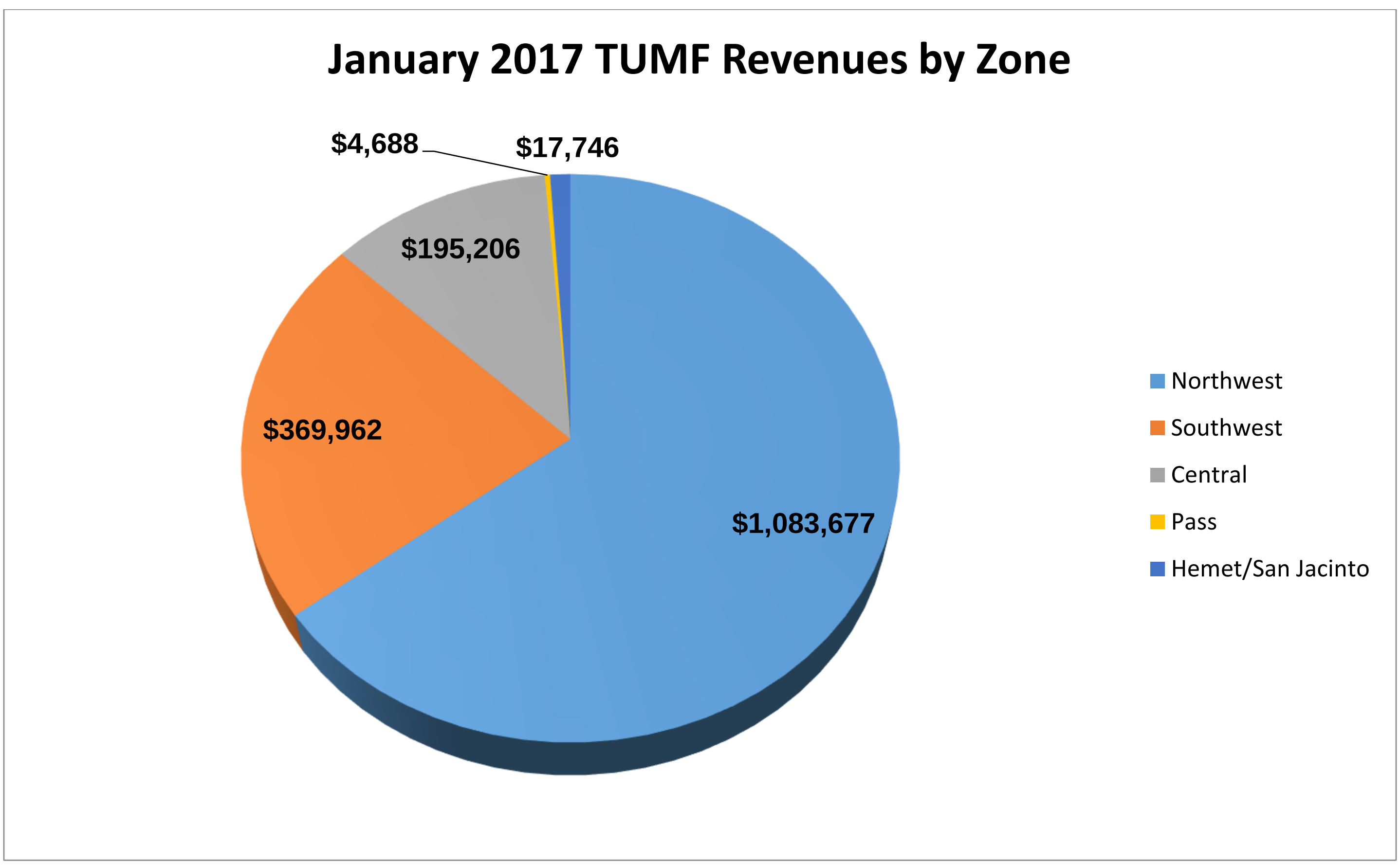
January 2017 TUMF Revenues by Jurisdiction
Total Revenue - 1,671,278




January 2017 TUMF revenues by land-use type
$389,283
$12,440
$28,195
$-
$1,241,361
Single Family - Residential
Multi Family - Residential
Commercial - Non-residential
Retail - Non-residential
Industrial - Non-residential


January 2017 TUMF Revenues by Zone
$4,688
$17,746
$195,206
$369,962
$1,083,677
Northwest
Southwest
Central
Pass
Hemet/San Jacinto

Jurisdiction	Fiscal Year 15/16	2016 July	August	September	October	November	December	2017 January	Fiscal Year 16/17
Banning	$13,637	$0	$0	$0	$0	$0	$0	$4,688	$4,688
Beaumont	$0	$0	$0	$0	$0	$0	$0	$0	$0
Calimesa	$20,344	$8,873	$197,212	$0	$0	$17,746	$0	$0	$223,831
Canyon Lake	$44,370	$4,437	$0	$4,437	$0	$0	$4,437	$0	$13,311
Corona	$5,913,963	$46,463	$145,693	$35,905	$142,253	$3,460	$429,392	$179,707	$982,873
Eastvale	$3,676,091	$70,984	$124,620	$20,786	$532,380	$0	$707,095	$70,984	$1,526,849
Hemet	$756,651	$0	$1,508	$60,165	$0	$0	$0	$0	$61,674
Jurupa Valley	$5,034,660	$168,587	$434,777	$310,555	$390,412	$702,734	$230,698	$536,056	$2,773,818
Lake Elsinore	$2,089,961	$97,603	$53,238	$106,476	$141,968	$8,873	$44,369	$116,624	$569,152
March JPA	$479,591	$0	$0	$0	$0	$326,652	$720,702	$0	$1,047,354
Menifee	$2,638,484	$568,179	$364,975	$248,444	$355,922	$301,682	$17,746	$159,714	$2,016,662
Moreno Valley	$2,923,749	$146,767	$230,698	$212,952	$212,666	$35,492	$35,492	$0	$874,066
Murrieta	$3,348,006	$105,181	$79,857	$97,802	$244,306	$208,814	$459,948	$0	$1,195,908
Norco	$216,329	$0	$52,923	$0	$0	$0	$0	$3,755	$56,677
Perris	$2,515,873	$173,105	$342,849	$415,754	$27,589	$248,444	$0	$8,873	$1,216,614
Riverside	$4,001,916	$194,893	$799,136	$544,556	$163,602	$133,095	$72,530	$239,938	$2,147,750
San Jacinto	$1,506,559	$70,984	$0	$195,206	$17,746	$133,095	$150,841	$8,873	$576,745
Temecula	$1,745,342	$245,056	$105,927	$0	$41,215	$33,086	$26,003	$0	$451,286
Wildomar	$900,614	$53,238	$79,857	$346,047	$221,825	$204,079	$221,825	$113,854	$1,240,725
County Central	$2,242,917	$241,196	$97,603	$292,809	$26,619	$34,404	$108,376	$26,619	$827,626
County Hemet/S.J.	$646,306	$8,873	$8,873	$141,968	$6,920	$8,873	$79,857	$8,873	$264,237
County Northwest	$892,990	$53,238	$11,096	$79,857	$253,989	$36,305	$79,857	$53,238	$567,580
County Pass	$44,365	$8,873	$0	$0	$0	$0	$0	$0	$8,873
County Southwest	$2,419,890	$178,955	$230,580	$111,668	$325,974	$126,352	$130,256	$139,484	$1,243,268
Total	**$ 44,072,606**	**$ 2,445,483**	**$ 3,361,423**	**$ 3,225,387**	**$ 3,105,385**	**$ 2,563,184**	**$ 3,519,424**	**$ 1,671,278**	**$ 19,891,565**

FY 16/17 Revenues by Zone	
Pass	$237,392
Southwest	$4,713,649
Central	$4,934,968
Northwest	$9,102,901
Hemet/SJ	$902,656
Total	**$19,891,565**

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Item 4.C

Western Riverside Council of Governments
Public Works Committee

Staff Report

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

Contact: **Andrew Ruiz, Program Manager, ruiz@wrcog.cog.ca.us, (951) 955-8587**

Date: **March 9, 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 Action:

February 9, 2017: The Public Works 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 4.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**

Western Riverside Council of Governments
Public Works Committee

Staff Report

Subject: **Regional Streetlight Program Activities Update**

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

Date: **March 9, 2017**

The purpose of this item is to *provide the Committee with an update on the presentation from WRCOG'S Streetlight consultants about the draft County of Riverside Ordinance No. 655, analysis of the Demonstration Area, an update on the next steps that member jurisdictions are taking as they consider participating in the Program.*

Requested Action:

1. Discuss and provide input on the draft County of Riverside Lighting Ordinance and Lighting Analysis Specification sheet.

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 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.

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 mirrored 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. Concluding these meetings, WRCOG and consultants began drafting a new lighting ordinance that can be distributed and used for jurisdictions' further implementation on new lighting standards, and provides support on how to meet Mt. Palomar lighting regulations. The proposed 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 their gratitude towards 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).

In addition to providing an overview of the draft ordinance, WRCOG's consultants have created a 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, but will be handed out during the meeting, and distributed electronically for further review after the meeting. The report will illustrate:

- Design and analysis of the Demonstration Area
- Survey Results
- Suggested LED lighting specification for WRCOG member jurisdictions to implement

City Council Presentations

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

To date, the following member jurisdictions' City Councils have taken action to acquire the SCE-owned streetlights in their respective 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

Next Steps: Staff have 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 presented to City Council for approval. Several cities have scheduled City Council meetings to consider approval of their Agreement:

March 7, 2017:	City of Murrieta – Anticipated City Council consideration.
March 8, 2017:	City of Eastvale – Anticipated City Council consideration.
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 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	TBD	TBD	TBD	TBD	TBD
Corona	No	The City already owns most of the streetlights within its City Boundaries					
Eastvale	12/15/15	10/19/16	March 2017	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	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	3/7/17	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	March 2017	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 jurisdictions to work with SCE on the finalization of the Agreement and assist WRCOG member jurisdictions 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.

Demonstration Area Tour Update: In Partnership with the City of Hemet, WRCOG has installed a variety of LED streetlights from different vendors in five Demonstration Areas throughout the City. These five Demonstration Areas represent different street and land use types, from school, residential, and commercial areas, to low, medium, and high traffic street areas. A total of 12 outdoor lighting manufacturers are participating in these Demonstration Areas.

Input from local government officials, public safety staff, health experts, residents, business owners, and other community stakeholders is important before moving forward with a plan to upgrade streetlights in the subregion. The results obtained from the surveys will be analyzed to help identify proper lighting systems to be implemented throughout Western Riverside County.

The Planning Directors' and Public Works Committees' discussion and input will be compiled into the report before presentation to the Technical Advisory and Executive Committees. This report will provide WRCOG Committees an overview of the Demonstration Area lighting results and guide suggested lighting fixtures that were based off the analysis of the physical and electronic surveys.

Prior Actions:

February 16, 2017: The Technical Advisory Committee received report.
February 9, 2017: The Public Works Committee received report.
February 9, 2017: The Planning Directors' 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 County of Riverside Lighting Ordinance No. 655.
2. Palomar Observatory Letter of Support.
3. National Science Foundation Letter.

Item 5.A

Regional Streetlight Program
Activities Update

Attachment 1

Draft County of Riverside Lighting
Ordinance No. 655

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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.

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.

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.

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.

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 5.A

Regional Streetlight Program Activities Update

Attachment 2

Palomar Observatory 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 5.A

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
Public Works Committee

Staff Report

Subject: Riverside Transit Agency Activities Update

Contact: Rohan Kuruppu, Director of Planning, Riverside Transit Agency, rkuruppu@riversidetransit.com, (951) 565-5130

Date: March 9, 2017

The purpose of this item is to *provide an update to the Committee members on projects that the Riverside Transit Agency (RTA) is in the process of implementing.*

Requested Action:

1. Receive and file.

This item is reserved for a presentation from the RTA Director of Planning on projects that the agency is in the process of planning and/or implementing in the near future.

Prior Action:

None.

Fiscal Impact:

This item is informational only; therefore, there is not fiscal impact.

Attachment:

None.

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Western Riverside Council of Governments
Public Works Committee

Staff Report

Subject: **Transportation Uniform Mitigation Fee (TUMF) Nexus Study Update**

Contact: **Daniel Ramirez-Cornejo, Staff Analyst, cornejo@wrcog.cog.ca.us, (951) 955-8307**

Date: **March 9, 2017**

***The purpose of this item is to** provide Committee members with an update on the progress of the TUMF Nexus Study Update.*

Requested Action:

1. Appoint three members of the Public Works Committee to serve on the TUMF Program Ad Hoc Committee.

WRCOG's Transportation Uniform Mitigation Fee (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 (http://www.wrcog.cog.ca.us/uploads/media_items/tumfnexusstudy-170228-draft.original.pdf) for a 45-day period. 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 were 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.

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.

<u>Responsibilities for Administering the Western Riverside County TUMF Program</u>

Since 2003, WRCOG has administered the TUMF Program as a cooperative effort involving member jurisdictions, the Riverside County Transportation Commission (RCTC), the Riverside Transit Agency (RTA), and the Riverside County Conservation Agency (RCA). 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 the 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 February 8, 2017, meeting, the Administration & Finance Committee recommended that the Technical Advisory Committee should defer making any potential changes to the TUMF Program until after adoption of the TUMF Nexus Study. The Technical Advisory Committee reviewed the Administration & Finance Committee recommendation at its February 16, 2017, meeting, and approved the recommendation to defer taking action on any potential changes to the TUMF Program until after adoption of the TUMF Nexus Study.

Staff is requesting that, at the March 6, 2017, meeting, the Executive Committee form a TUMF Program Ad Hoc Committee to begin the discussions of the Program though no action on potential changes, if any, would occur until after action on the TUMF Nexus Study. This would provide an opportunity for members to discuss all aspects of the Program and WRCOG would convene these discussions within one month of action to form the Ad Hoc Committee. The ultimate goal of the Ad Hoc Committee would be to provide the WRCOG Committee structure with a recommendation regarding the management and administration of the TUMF Program. This Ad Hoc Committee would have the same composition as the previously convened Nexus Study Ad Hoc Committee.

Prior Actions:

February 16, 2017: The Technical Advisory Committee approved the Administration & Finance Committee recommendation to defer taking action on any potential changes to the TUMF Program until after adoption of the TUMF Nexus Study.

February 9, 2017: The Public Works Committee received report.

February 8, 2017: The Administration & Finance Committee recommended that the Technical Advisory Committee should defer making any potential changes to the TUMF Program until after adoption of the TUMF Nexus Study.

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.

Item 5.C

TUMF Nexus Study 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 5.D

Western Riverside Council of Governments
Public Works Committee

Staff Report

Subject: **Transportation Uniform Mitigation Fee (TUMF) Calculation Update**

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

Date: **March 9, 2017**

***The purpose of this item is to** update Committee members on the exemption for the rehabilitation / reconstruction of any habitable structure.*

Requested Action:

1. Discuss and provide input.

WRCOG's Transportation Uniform Mitigation Fee (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).

Fee Calculation Exemption Clarification

As the TUMF Program administrator, WRCOG frequently receives questions from member jurisdictions and stakeholders regarding the calculation of TUMF for developments. Since development of the TUMF Program, the Executive Committee has approved particular exemptions from TUMF assessment, which include the following:

- Low income residential housing as defined in Exhibit E, Section G of the Administrative Plan.

- Government/public buildings, public schools, and public facilities that are owned and operated by a government entity in accordance with Section Q of Exhibit E of the Administrative Plan and Section G. subsection IV of the model TUMF Ordinance. Airports that are public use airports and are appropriately permitted by Caltrans or other state agency.

- 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 as a result thereof.

- Additional single-family residential units located on the same parcel pursuant to the provisions of any agricultural zoning classifications set forth in the Municipal Code.

- Any sanctuary, or other activity under the same roof of a church or other house of worship that is not revenue generating and is eligible for a property tax exemption (excluding concert venue, coffee/snack shop, book store, for-profit pre-school day-care, etc.)

- “New single-family homes, constructed by non-profit organizations, specially adapted and designed for maximum freedom of movement and independent living for qualified Disabled Veterans.”

One of the exemptions that staff has recently received an increase of inquiries on is the reconstruction / rehabilitation of any habitable structure. Staff would like to have a discussion with Committee members on their experience and/or interpretation of the language. To date, staff has received questions on 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 more intensive to less 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; and

- 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 believes that discussion on the exemption interpretation would provide benefit as member jurisdiction staff continue to see this type of development. The clarification to the description of the exemption would assist member jurisdiction staff as building permits are issued for this type of development. With input from the Committee members, staff will develop additional language to supplement the Administrative Plan, TUMF Ordinance, and/or TUMF Calculation Handbook regarding these scenarios for review by the Committee structure.

Prior Action:

None.

Fiscal Impact:

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

Attachment:

None.

Western Riverside Council of Governments
Public Works Committee

Staff Report

Subject: **Work Plan for Proposed Grant Writing Assistance Program for Local Jurisdictions**

Contact: **Christopher Tzeng, Program Manager, tzeng@wrcog.cog.ca.us, (951) 955-8379**

Date: **March 9, 2017**

***The purpose of this item is to** provide a Work Plan for review and comment on the proposed Grant Writing Assistance Program WRCOG would like to commence to provide direct assistance to its member jurisdictions.*

Requested Action:

1. Discuss and provide input.

WRCOG would like to commence the proposed Grant Writing Assistance Program since WRCOG has received requests to assist its member jurisdictions in grant writing. WRCOG has set aside funds to assist and is proposing to create a Grant Writing Assistance Program to assist member jurisdictions on an as-needed basis as funding is available. WRCOG convened a Focus Group for two meetings to discuss the parameters and guidelines for the program. The Work Plan below for Committee members' review and comment was drafted by WRCOG Staff and is based off input from Focus Group members.

WRCOG Grant Writing Assistance Program Work Plan

Background: WRCOG has received requests to assist member jurisdictions in preparing proposals for grant opportunities, especially the Caltrans Active Transportation Plan. WRCOG has identified short-term funds to commence a grant writing assistance program for its member jurisdictions. In order to create a program that best assists WRCOG's member jurisdictions, WRCOG staff convened a Focus Group of member jurisdiction staff to provide feedback on program specifics, which are summarized in this document. WRCOG is proposing this work plan for the Grant Writing Assistance Program funds to be approved by the WRCOG committee structure.

WRCOG envisions that once the funds have been approved, WRCOG staff will proceed with a Request for Proposals (RFP) from consultants to serve on a "bench" to provide grant writing assistance to WRCOG member jurisdictions. The bench of consultants will then be made available to member jurisdictions on a first-come, first-served basis. The consultants will assist jurisdictions with the grant application process only.

Focus Group: WRCOG convened a Focus Group to examine the Program details and logistics, since no such program has been undertaken before, and to gather input and feedback from the member jurisdictions that would be utilizing the Program. WRCOG requested two members from the Public Works Committee (PWC), which are Dan York (City of Wildomar) and Nelson Nelson (City of Corona), and two members from the Planning Directors' Committee (PDC), which are Richard Sandzimier (City of Moreno Valley) and Steven Weiss (formerly of County of Riverside). WRCOG also included staff from Riverside County Transportation Commission (RCTC), which has indicated that it is also looking into implementing a similar program for grant opportunities that deal with capital projects; including RCTC in the Focus Group ensures there are no duplicative efforts. The Focus Group met twice – in November 2016 and February 2017 – to first establish details and logistics, and then to provide feedback for the Work Plan.

Grant Writing Assistance Program Criteria: A few central items are listed below for the Program:

- The Program is meant for direct assistance to WRCOG member agencies.
- WRCOG will hire the consultants to provide assistance on behalf of member agencies. No procurement or contracts are needed from the applicant.

After careful deliberation, the Focus Group identified specific criteria for projects to qualify for assistance through the Program. First, grant proposals receiving assistance must show a nexus to the core components of WRCOG's Sustainability Framework. The Sustainability Framework is a foundational document for planning in Western Riverside County as it consists of six core components adopted by the Executive Committee, a body made up of elected officials from every WRCOG member agency. In addition, grant proposals must also show a nexus to a regionally significant plan, such as WRCOG's Subregional Climate Action Plan (CAP), the Western Riverside County Active Transportation Plan, and/or the Riverside County Transportation Commission Long-Range Plan. Lastly, a grant proposal is preferred to be multi-jurisdictional, and an "innovative" project. These criteria are proposed for the initial phase of the Program to ensure WRCOG and its member agencies show positive returns from funding for the Grant Writing Assistance Program.

Eligible Grants: For this pilot round of the Program, WRCOG is proposing to focus on a few main grant opportunities. Proposed grants are as follows:

- Active Transportation Program
- Caltrans Sustainable Transportation Planning Grant Program
- Affordable Housing and Sustainable Communities (AHSC) Program
- Clean Cities related grants
- New planning grant opportunities

To maintain flexibility with the Program, new planning grant opportunities are included so that other planning grant opportunities may be considered. It was discussed at length that planning grants are not as plentiful as infrastructure / transportation (implementation / capital improvement) grants. Therefore, this category will provide assistance if any grant opportunities that focus on planning grants become available – such as ones that help fund General Plans, Specific Plans, or Community Plans. Based on previous experiences, WRCOG believes planning grant applications are not as resource intensive as infrastructure applications, thus allowing the Program funds to be utilized efficiently. The Program is not intended to assist on infrastructure grant opportunities, i.e., TIGER, HSIP, FASTLANE, etc.

Clean Cities grants would be for Clean Cities Coalition members only and focus on any grant opportunities related to Clean Cities activities, such as electric vehicle charging stations and City / County Fleet purchasing. Funds for assistance with these grants will be allocated from Clean Cities Coalition Program funds. WRCOG administers the Coalition on behalf of the jurisdictions and agencies that pay member dues, and would like to increase the Coalition's effectiveness by assisting Coalition member agencies attain grant funding.

Project Applicant Screening: In order to ensure funds for the Program are utilized effectively and efficiently, a screening application has been created to assess projects. This screening process is meant to ensure Program criteria, as outlined above, is met. It also will evaluate if the project proposed is the preferred multi-jurisdictional and "innovative" project.

Tentatively, there will be a soft limit on the assistance each jurisdiction receives – no jurisdiction will receive assistance on more than two grants. This is a soft limit as it will be based on the number of applications received.

After it is determined a proposed project meets the criteria, WRCOG staff will follow-up with the applicant and assign an appropriate consultant to begin assisting on the grant application.

Grant Opportunities Repository: Members of the Focus Group brought up the possibility of looking into a repository of information on grants. It was determined that there are grant opportunities that follow a similar timeframe from cycle-to-cycle; opportunities are released around the same time period each cycle. This repository would serve as a reminder to member jurisdictions of upcoming grant opportunities and deadlines. The repository would be updated twice a year and would extend its focus to include planning grant opportunities. Updates would be provided to the Planning Directors' and Public Works Committees on a quarterly basis. The consultant(s) hired to perform grant writing assistance will also be asked to contribute to regular updates of the repository. In addition, WRCOG will look into what other COGs and County Transportation Commissions have in place to achieve this function.

<u>Grant Writing Consultant Needs</u>: As noted above, grant writing assistance to WRCOG member agencies will be provided by consultants.

Based on the discussion with Focus Group members, the grant writing consultant will need to display a familiarity with the WRCOG subregion so that they understand which grants apply best to the member jurisdictions and how the subregion / member jurisdictions can be most competitive. They should also have direct knowledge of planning grants that can be utilized for work on General Plans, Specific Plans, Community Plans, etc. Lastly, in order to ensure WRCOG member jurisdictions receive the most adequate assistance, the RFP will indicate specific categories for consultants to choose from.

The consultants will also be asked to create a checklist of information and needs from the member jurisdiction so the process of assisting can be more streamlined and efficient.

<u>Next Steps</u>: This Work Plan is provided to the WRCOG Committee structure for approval of the Grant Writing Assistance Program. WRCOG staff anticipates releasing an RFP that includes a Scope of Work for grant writing assistance in March 2017.

After the consultants are selected for the grant writing assistance "bench," and at the appropriate time depending on available grant opportunities, the request for grant writing assistance application will be released to WRCOG member agencies. WRCOG staff will review the applications within seven calendar days, and, if the applicant meets the criteria set in this Work Plan, will work with the applicant to select a proper consultant. The criteria set in this Work Plan and included on the application serve as basic standards for proposals to be evaluated. The selection of proposals for grant writing assistance will be at the discretion of WRCOG based on available funding, and WRCOG reserves the right to decide the proposals that receive grant writing assistance.

<u>Expectation of Member Agency Accepting Assistance</u>: In order for the Program to run effectively and utilize funds efficiently, the member agency accepting grant writing assistance must agree to the following:

- Define project parameters and provide consultant a basic project description
- Dedicate sufficient resources:
  - Attain all the necessary material on the information checklist provided by the consultant
  - Attend kick-off meeting to ensure consultant has needed information to prepare grant application
  - Respond to inquiries from the consultant in a timely manner
- Be responsible party for grant submittal, including signatory on application and actual submittal of the application

It is expected that once the member agency is awarded the assistance on a grant application, and the consultant is selected to assist, all parties will conduct a kick-off meeting to discuss the proposal and attain necessary information to begin work on the grant application. The consultant will prepare the grant application, and all necessary exhibits, tables, etc., for review by the member agency staff. The member agency will then provide comments to be addressed by the consultant, and the consultant will then revise the application based on comments provided. Finally, the consultant will provide the member agency staff with a final draft for review and submittal.

If the member agency is willing after the results of the grant opportunities are provided, the consultant and the member agency may request a debrief from the grantor agency for a lessons learned opportunity. WRCOG will encourage the member agency to participate in this opportunity so that the grant writing assistance Program can display an efficient and successful process in the long run.

Prior Action:

February 9, 2017: The WRCOG Public Works Committee received report.

Fiscal Impact:

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

Attachment:

None.