Western Riverside Council of Governments
Public Works Committee

AGENDA

Thursday, December 14, 2017
2:00 p.m.

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

Please Note Meeting Location

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) 955-8308. 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 (Art Vela, Chairman)

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 November 9, 2017, Public Works Committee Meeting are Available for Consideration.** **P. 1**

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

B. **TUMF Revenue and Expenditures Update** ***Andrew Ruiz*** **P. 7**

Requested Action: *1. Receive and file.*

C. **Finance Department Activities Update** ***Andrew Ruiz*** **P. 11**

Requested Action: *1. Receive and file.*

5. REPORTS / DISCUSSION

A. **Annual Transportation Uniform Mitigation Fee (TUMF) Review for Fiscal Year 2016/2017** **Daniel Ramirez-Cornejo, WRCOG** **P. 19**

Requested Action: *1. Receive and file.*

B. **Transportation Uniform Mitigation Fee (TUMF) Program Ad Hoc Committee Activities Update** ***Daniel Ramirez-Cornejo, WRCOG*** **P. 21**

Requested Actions:

1. *Recommend that the Executive Committee approve the TUMF Program Ad Hoc Committee's recommendation to maintain the current administration and management structure of the TUMF Program.*
2. *Recommend that the Executive Committee approve the TUMF Program Ad Hoc Committee's recommendation to maintain the current structure of the TUMF Zone process.*
3. *Recommend that the Executive Committee approve the TUMF Program Ad Hoc Committee's recommendation to have the Public Works Committee review the TUMF Network criteria and project type for future Nexus Study updates to address the following areas:*
   a. *Expanding the types of projects that can be funded by TUMF, including active transportation projects.*
   b. *Formalizing a process for each TUMF Zone to prioritize projects within the Zone.*
   c. *Updating the criteria that is used to determine how projects are added to the Program through the Nexus Study update.*

C. **Transportation Uniform Mitigation Fee (TUMF) Fee Schedule / Revenue Update** ***Daniel Ramirez-Cornejo, WRCOG*** **P. 25**

Requested Action: *1. Receive and file.*

D. **Transportation Uniform Mitigation Fee (TUMF) Credit Agreements** ***Christopher Gray, WRCOG*** **P. 31**

Requested Action: *1. Receive and file.*

E. **Regional Transportation Summit** ***Christopher Gray, WRCOG*** **P. 39**

Requested Action: *1. Receive and file.*

F. **Big Data Examples** ***Christopher Gray*, *WRCOG*** **P. 41**

Requested Action: *1. Receive and file.*

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, January 11, 2018, at 2:00 p.m., at WRCOG's office located at 3390 University Avenue, Suite 450, Riverside.**

10. ADJOURNMENT

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

1. CALL TO ORDER

The meeting of the Public Works Committee (PWC) was called to order at 2:10 p.m. by Vice-Chairwoman Patty Romo at County of Riverside Administrative Center, 5th Floor, Conference Room C.

2. SELF INTRODUCTIONS

Members present:

Nelson Nelson, City of Corona
Craig Bradshaw, City of Eastvale (2:12 p.m. arrival)
Kris Jenson, City of Hemet
Mike Meyers, City of Jurupa Valley (2:20 p.m. arrival)
Carlos Geronimo, City of Menifee
Bob Moehling, City of Murrieta
Brad Brophy, Cities of Perris and San Jacinto
Jeff Hart, City of Riverside
Patricia Romo, County of Riverside, Transportation & Land Management Agency (TLMA) (Vice-Chairwoman)
Glenn Higa, TLMA
Patrick Thomas, City of Temecula (2:20 p.m. arrival)
Amer Attar, City of Temecula (2:20 p.m. arrival)
Dan York, City of Wildomar
Jeffrey Smith, March Joint Powers Authority

Staff present:

Rick Bishop, Executive Director
Christopher Gray, Director of Transportation
Christopher Tzeng, Program Manager
Daniel Ramirez-Cornejo, Senior Analyst
Janis Leonard, Administrative Services Manager
Suzy Nelson, Administrative Assistant
Tyler Masters, Program Manager

Guests present:

Darren Henderson, WSP
Paul Rodriguez, Rodriguez Consulting Group

3. PUBLIC COMMENTS

There were no public comments.

4. CONSENT CALENDAR – *(Murrieta / Corona) 13 yes; 0 no; 0 abstention. Items 4.A through 4.C were approved by a unanimous vote of those members present. The Cities of Banning, Calimesa, Canyon Lake, Lake Elsinore, Moreno Valley, Norco, the Riverside County Transportation Commission and the Riverside Transit Authority were not present. Due to lack of quorum at start of the meeting items were taken out of order.*

A. Summary Minutes from the September 14, 2017, Public Works Committee Meeting are Available for Consideration.

Action: *1. Approved the Summary Minutes from the September 14, 2017, Public Works*

Committee meeting.

B. TUMF Revenue and Expenditures Update

Action: 1. *Received and filed.*

C. Financial Report Summary Through September 2017

Action: 1. *Received and filed.*

5. REPORTS / DISCUSSION

A. Regional Streetlight Program Activities Update

Tyler Masters reported that as of today, 11 jurisdictions have decided that it makes sense to purchase upwards of 48,000 streetlights from Southern California Edison. Of the 11 jurisdictions, each are in one of three different buckets, with the City of Murrieta in the front bucket and the City of Temecula in the second bucket not far behind Murrieta. The remaining 9 are all in the same bucket.

In October the Executive Committee authorized staff to enter into a contract with Siemens for the Operations and Maintenance RFP for the retrofit. The contract is not to exceed $5,913,073 over a five year period.

Mr. Masters also mentioned that the admin cost would be approximately $0.26 per pole for WRCOG to administer the Program. The scope of work would include a market call center, the development and processing of incentives / rebates applications, the development of a retrofit schedule & shipping logistics, the administration contract with Siemens, updating GIS for asset management, as well as ongoing regulatory and legislative tracking related to streetlight and rates associated (ex: SB 649). This $0.26 per pole would employ a full time Staff Analyst and a part time Program Manager.

Mr. Masters provided an update regarding the RFQ for the LED fixture selection. Using the LightSuite template, a list of qualified fixtures / manufacturers have been extracted which will supply a quotation that will be available December 11, 2017.

Mr. Tyler requested volunteers to participate in the Streetlight Work Group.

The Cities of Eastvale and Hemet volunteered.

Action: 1. *The Cities of Eastvale and Hemet volunteered.*

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

Daniel Ramirez-Cornejo reported that the Handbook was created to calculate fees for different developments with unique trip generating characteristics. The Handbook has been updated from time to time. Recently, the Handbook was reviewed and updated using data from the 2016 Nexus Study. It also now includes a fee calculation component for Active Senior Living Developments. Also, the pass by trip ratios have been updated, specifically the gas station component of the Handbook.

Christopher Gray added that the average gas station fee has decreased approximately 30%; this was the most significant change. The Handbook will be effective once the Executive Committee approved the Handbook, scheduled for approval at its December 4, 2017, meeting.

Action: 1. *Recommended that the Executive Committee approve the updated TUMF Calculation Handbook.*

(County / Eastvale) 13 yes; 0 no; 0 abstention. Item 5.B was approved by a unanimous vote of those members present. The Cities of Banning, Calimesa, Canyon Lake, Lake Elsinore, Moreno Valley, Norco, the Riverside County Transportation Commission and the Riverside Transit Authority were not present.

C. Transportation Uniform Mitigation Fee (TUMF) Improvement and Credit / Reimbursement Agreement Template

Daniel Ramirez-Cornejo reported that back in September, WRCOG presented the results of a review of all Credit Agreements executed since TUMF Program inception. The key findings determined that many of the Credit Agreements executed in the early years of the Program were still active. WRCOG's TUMF consultant, WSP, provided a technical memo which contained recommendations for future Credit Agreements. A recommendation was to include a sunset clause for termination of these Credit Agreements.

The Committee discussed inserting language into the Credit Agreement template that would help revise the termination verbiage. The following is what was agreed on to be adjusted: *This Agreement shall terminate 10 years after the Effective Date, unless extended in writing by the Parties. In addition, this Agreement shall terminate 5 years after the Effective Date in the event that the work on the TUMF improvements as specified in the Credit Agreement is not commenced within 5 years of the Effective Date.*

Paul Rodriguez asked about assumption and/or assignments of agreements.

Christopher Gray indicated that Credit Agreements are assignable and/or transferrable.

The Committee members discussed the attachment of the Agreements to various phases of projects and TUMF credits.

Action: 1. *Recommended that the Executive Committee approve the update TUMF Improvement and Credit / Reimbursement Agreement template with the following language: "This Agreement shall terminate 10 years after the Effective Date, unless extended in writing by the Parties. In addition, this Agreement shall terminate 5 years after the Effective Date in the event that the work on the TUMF improvements as specified in the Credit Agreement is not commenced within 5 years of the Effective Date."*

(Corona / March JPA) 13 yes; 0 no; 0 abstention. Item 5.C was approved by a unanimous vote of those members present. The Cities of Banning, Calimesa, Canyon Lake, Lake Elsinore, Moreno Valley, Norco, the Riverside County Transportation Commission and the Riverside Transit Authority were not present.

D. Riverside County Traffic Analysis Model (RIVTAM) Update

Christopher Gray announced that WRCOG is moving forward with the RIVTAM update, and thanked the funding partners, the Riverside County Transportation Commission, the Coachella Valley Association of Governments, and the County of Riverside.

Christopher Tzeng reported that the RIVTAM Work Plan has been reviewed by the funding partners and will provide member jurisdictions with information on how the update will occur. The update will cost $750,000.

A Request for Qualifications will be released within the next couple of weeks; submittals will be due mid-December.

Mr. Gray added that one team will be selected, which will most likely consist of anywhere from three to five firms.

Action: *1. Received and filed.*

E. Alternative Compliance Program Development Update

Christopher Gray reported that the Alternative Compliance Program (ACP) is a new initiative.

Christopher Tzeng indicated that staff recently met with the San Diego and Santa Ana Regional Water Quality Control Boards (WQCB) to introduce WRCOG and the ACP. Each Water Board has their own approach. The San Diego WQCB indicated that an ACP is eligible to meet new MS4 Permit requirements, while the Santa Ana WQCB MS4 Permit is currently on hold, and it is not certain if an ACP is eligible.

Staff proposes a Guidance Manual for the San Diego Region. The Manual will include information on how Permits are recorded, how credits and deficits will be handled, how fee-in-lieu and annual fees will be collected, and how maintenance and compliance will be included.

Over the next month, the project team will determine how the ACP will generate, track, record, and sell credits.

Mr. Tzeng stressed that the ACP will not take over the Water Quality Management Plan, as that was a big concern for many. There may be a few overlaps in hard documents and calculations; however, the project team is trying to provide the San Diego WQCB edits through the Riverside County Flood Control and Water Conservation District and the County of Riverside.

The project team is looking for projects for the Santa Ana WQCB region.

Mr. Gray indicated that there are a lot of technical and regulatory items still to be worked out; it is a very formulated process. The San Diego WQCB has developed a manual on how to calculate ACP credits.

Action: *1. Received and filed.*

F. Complete Streets Training Update

Christopher Tzeng reported that WRCOG has selected Alta Planning + Design to provide workshops, which will be tailored to the needs of the WRCOG subregion. One workshop is planned in lieu of this Committee's March meeting, and will review the need for complete streets, policy and design guidelines, engineering flexibility, and the use of federal funding. Another workshop in March will provide training for jurisdictional staff, and a final workshop will be held for stakeholders.

Committee member Dan York asked for tips on how to complete applications for funding.

Action: *1. Received and filed.*

G. WRCOG Grant Submittal Update

Christopher Tzeng reported that WRCOG submitted a joint application with the San Bernardino County Transportation Authority for a Climate Adaptation Toolkit. The Toolkit will provide a vulnerability assessment and include the development of a Regional Climate Collaborative, city-level climate-related transportation hazards and evacuation maps, a climate resilient transportation infrastructure guidebook, and a climate adaptation and resiliency template.

The second grant submitted was for a Smart Cities readiness study. Staff is very interested in the future of Smart Cities and how cities and counties will prepare for them. If awarded, the study will evaluate emerging technologies such as autonomous vehicles, signal coordination, car / bike sharing, and broadband, to name a few. The study will provide a tool box of best practices.

WRCOG received a SCAG sustainable planning grant to study SB 743 and how transportation impacts are measured under CEQA.

WRCOG welcomes interested jurisdictions to participate in a stakeholder group.

Christopher Gray added that Caltrans will be opening another round of transportation funding grants in January 2018. A large Active Transportation Planning grant will be released in the spring 2018. WRCOG's grant writers are available to assist member jurisdictions.

Committee member Mike Myers asked about the Volkswagen settlement grant.

Mr. Tzeng reported that the State of California is still trying to determine which agency will control the settlement funds.

Committee member Dan York indicated that he serves as the Vice-Chairman on the Mobile Source Air Pollution Reduction Review Committee Technical Advisory Committee for the South Coast Air Quality Control Board (AQMD), and AQMD believes it will be put in control of the settlement funds. It is easy to apply for grants through AQMD.

Action: *1. Received and filed.*

6. REPORT FROM THE DIRECTOR OF TRANSPORTATION

Christopher Gray reported that at the next meeting, a presentation on Divergent Diamond Interchanges and Big Data are scheduled. The January meeting will be held in WRCOG's new office at 3390 University Avenue, Suite 450, Riverside.

7. ITEMS FOR FUTURE AGENDAS

There were no items for future agendas.

8. GENERAL ANNOUNCEMENTS

Committee member Patrick Thomas announced that the League of California Cities has asked individuals to speak on behalf of SB 1 at an upcoming California Transportation Commission meeting December 6 and 7, 2017. The City of Temecula is holding an I-15 Traffic Summit on November 30, 2017.

Vice-Chairwoman Romo announced that Caltrans is holding an SB 1 Symposium on November 30, 2017.

9. NEXT MEETING: The next Public Works Committee meeting is scheduled for Thursday, November 9, 2017, at 2:00 p.m., at WRCOG's office located at 3390 University Avenue, Suite 450, Riverside.

10. ADJOURNMENT: The meeting was adjourned at 2:36 p.m.

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Item 4.B

Western Riverside Council of Governments
Public Works Committee

Staff Report

Subject: **TUMF Revenue and Expenditures Update**

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

Date: **December 14, 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 October 2017, the TUMF Program received $5,748,551 in revenue.

To date, revenues received into the TUMF Program total $744,780,010. Interest amounts to $33,106,706, for a total collection of $777,886,716.

WRCOG has dispersed a total of $355,242,318 primarily through project reimbursements and refunds, and $21,916,781 in administrative expenses.

The Riverside County Transportation Commission share payments have totaled $335,274,595 through October 31, 2017.

Prior Action:

November 9, 2017: The Public Works Committee received and filed.

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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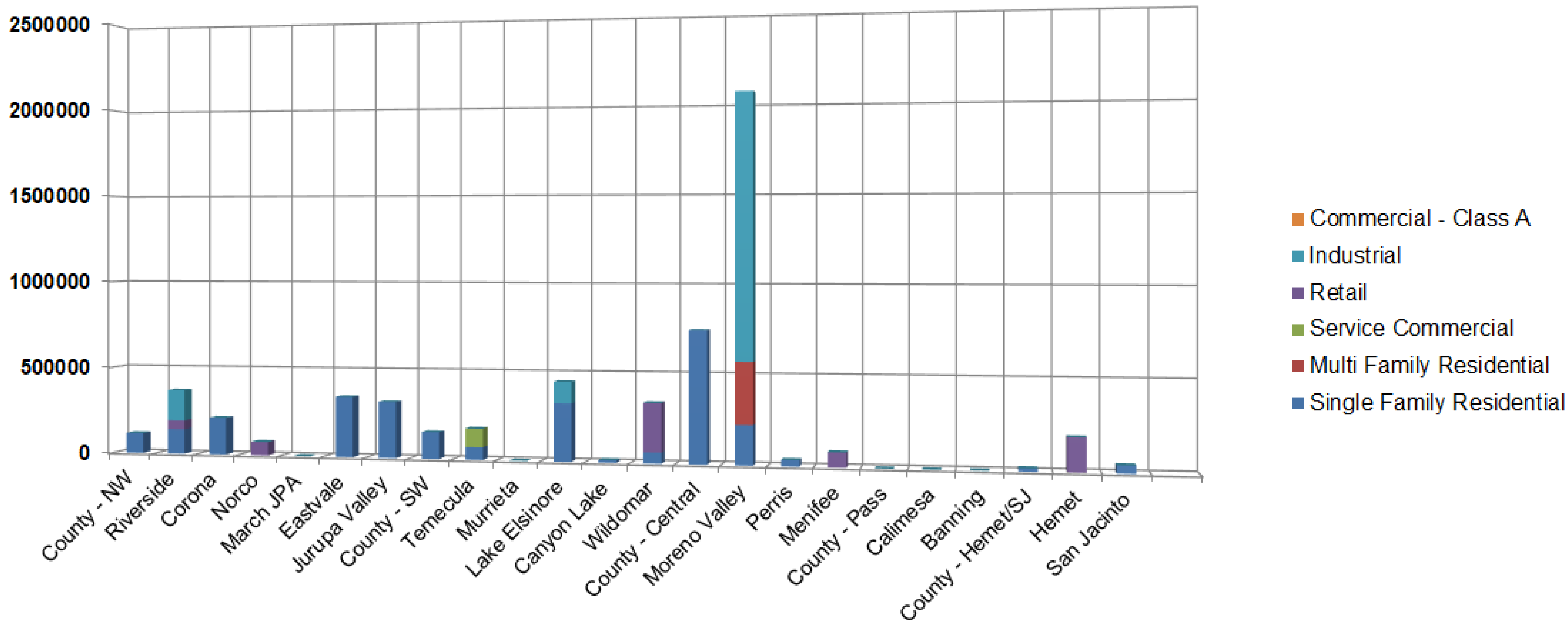
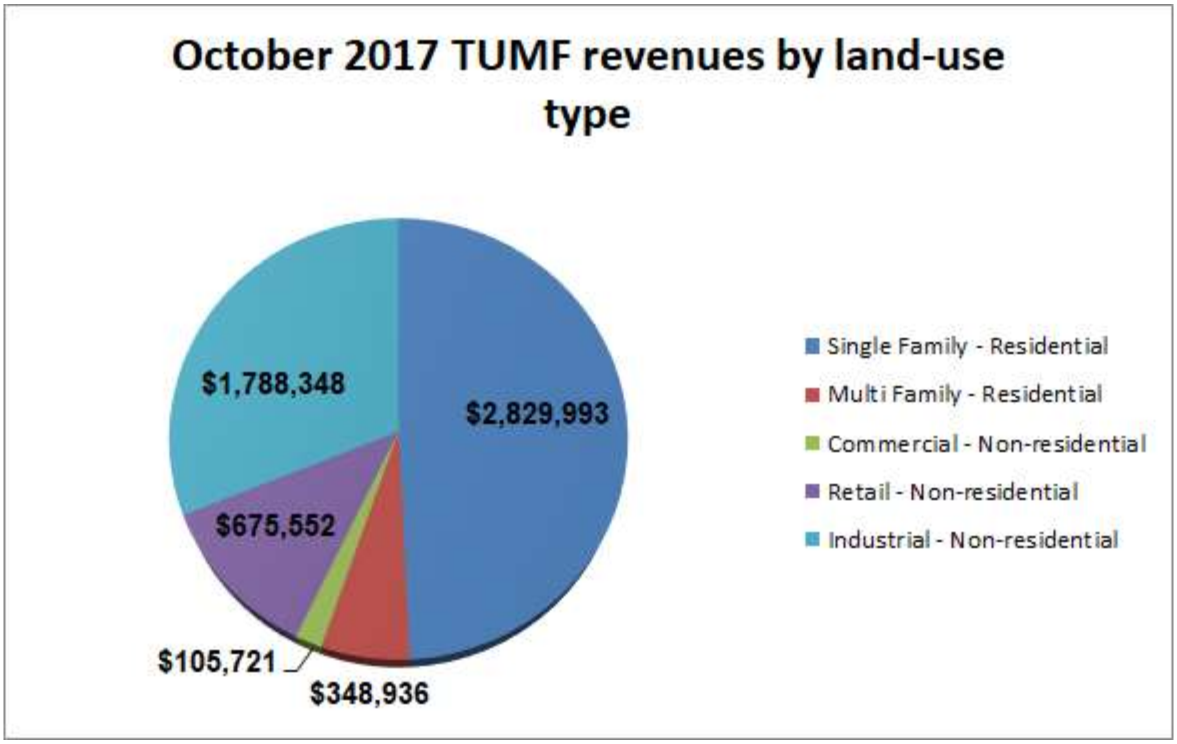
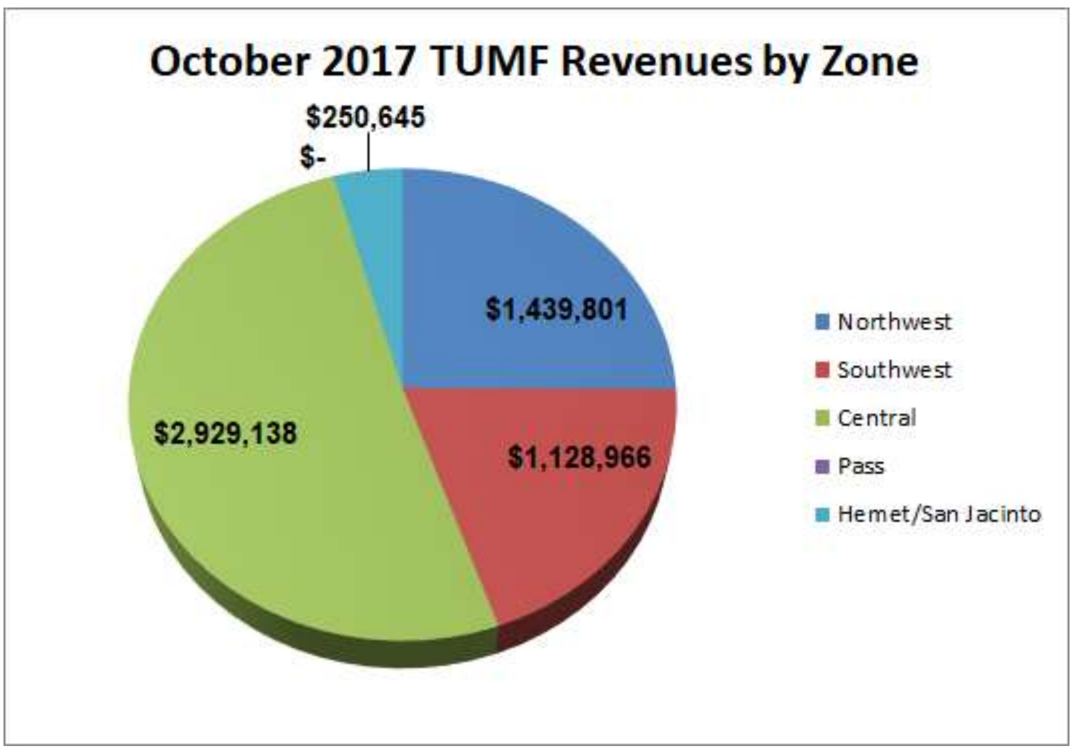
October 2017 TUMF Revenues by Jurisdiction
Total Revenue - $5,748,551




October 2017 TUMF revenues by land-use type
$1,788,348
$2,829,993
$675,552
$105,721
$348,936
Single Family - Residential
Multi Family - Residential
Commercial - Non-residential
Retail - Non-residential
Industrial - Non-residential


October 2017 TUMF Revenues by Zone
$250,645
$-
$1,439,801
$2,929,138
$1,128,966
Northwest
Southwest
Central
Pass
Hemet/San Jacinto

Western Riverside Council of Governments
Public Works Committee

Staff Report

Subject: **Finance Department Activities Update**

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

Date: **December 14, 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 Executive Committee review is the Agency Financial Report summary through October 2017.

Prior Action:

December 4, 2017: The Executive Committee received and filed.

Fiscal Impact:

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

Attachment:

1. Financial Report summary – October 2017.

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Item 4.C

Finance Department Activities Update

Attachment 1

Financial Report summary – October 2017

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

Revenues	Approved 6/30/2018 Budget	Thru 10/31/2017 Actual	Remaining 6/30/2018 Budget
General Assembly	300,000	18,800	281,200
WRCOG HERO Residential Revenue	816,771	478,369	338,402
CA HERO Residential Revenue	7,639,575	1,811,919	5,827,656
The Gas Company Partnership	50,000	6,521	43,479
SCE WREP Revenue	75,000	21,302	53,698
WRCOG HERO Residential Recording Revenue	182,775	93,060	89,715
CA HERO Residential Recording Revenue	1,508,036	307,725	1,200,311
CA First Residential Revenue	167,000	17,034	149,966
CA First Residential Recording Revenue	86,000	5,832	80,168
Other Misc Revenue	-	5,921	(5,921)
Solid Waste	117,100	22,837	94,263
Active Transportation Revenue	150,000	80,567	69,433
RIVTAM Revenue	-	25,000	(25,000)
Air Quality-Clean Cities	137,500	26,000	111,500
Commercial/Service - Admin Portion	101,097	30,421	70,676
Retail - Admin Portion	118,867	47,451	71,416
Industrial - Admin Portion	249,133	99,500	149,633
Residential/Multi/Single - Admin Portion	1,045,779	293,576	752,203
Multi-Family - Admin Portion	129,787	34,644	95,143
Commercial/Service - Non-Admin Portion	2,426,945	730,114	1,696,831
Retail - Non-Admin Portion	2,852,820	1,138,830	1,713,989
Industrial - Non-Admin Portion	5,979,195	2,388,011	3,591,184
Residential/Multi/Single - Non-Admin Portion	25,098,070	6,943,595	18,154,475
Multi-Family - Non-Admin Portion	3,114,890	831,465	2,283,425
Total Revenues	**62,996,435**	**15,458,496**	**47,537,939**

Expenditures			
Wages & Salaries	2,584,095	680,586	1,903,509
Fringe Benefits	739,956	236,829	503,126
Total Wages and Benefits	3,384,051	917,415	2,466,635
			-
Overhead Allocation	2,219,371	732,311	1,487,060
General Legal Services	590,233	256,075	334,158
Audit Fees	27,500	10,200	17,300
Bank Fees	29,000	20,959	8,041
Commissioners Per Diem	62,500	14,550	47,950
Office Lease	427,060	34,312	392,748
WRCOG Auto Fuel	750	184	566
WRCOG Auto Maintenance	100	16	84
Parking Validations	4,775	1,200	3,575
Event Support	112,600	24,033	88,567
General Supplies	66,536	3,883	62,653
Computer Supplies	12,500	1,943	10,557
Computer Software	18,000	12,837	5,163
Rent/Lease Equipment	35,000	9,835	25,165
Membership Dues	31,950	6,636	25,314
Subcriptions/Publications	6,500	180	6,320
Meeting Support/Services	12,100	2,260	9,840

Postage	8,155	2,039	6,116
Other Household Expenditures	4,880	1,050	3,831
Storage	1,000	4,777	(3,777)
Computer Hardware	1,000	1,643	(643)
Misc. Office Equipment	-	688	(688)
Communications-Regular	1,000	3,328	(2,328)
Communications-Long Distance	500	76	424
Communications-Cellular	12,677	2,640	10,037
Communications-Comp Sv	75,000	18,252	56,748
Communications-Web Site	5,600	266	5,334
Equipment Maintenance - General	11,000	4,534	6,466
Equipment Maintenance - Computers	25,000	6,406	18,594
Insurance - General/Business Liason	72,950	32,756	40,194
PACE Recording Fees	1,862,811	269,749	1,593,062
Seminars/Conferences	24,550	4,555	19,995
General Assembly Expenditures	304,200	8,154	296,046
Travel - Mileage Reimbursement	15,700	6,237	9,463
Travel - Ground Transportation	13,100	693	12,407
Travel - Airfare	28,704	3,983	24,721
Lodging	17,850	2,645	15,205
Meals	10,419	1,682	8,737
Other Incidentals	13,358	4,777	8,581
Training	14,321	7,647	6,674
Supplies/Materials	35,117	281	34,836
Consulting Labor	4,159,928	251,247	3,908,681
Consulting Expenses	72,865	36,209	36,656
TUMF Project Reimbursement	39,000,000	6,517,994	32,482,006
BEYOND Expenditures	2,052,917	198,276	1,854,641
Computer Equipment Purchases	41,204	5,058	36,146
Office Furniture Purchases	315,000	146,897	168,103
Total General Operations	61,741,206	8,675,954	53,065,252
Total Expenditures	**65,125,257**	**9,593,369**	**55,531,887**

Western Riverside Council of Governments
Public Works Committee

Staff Report

Subject: **Annual Transportation Uniform Mitigation Fee (TUMF) Review for Fiscal Year 2016/2017**

Contact: **Daniel Ramirez-Cornejo, Senior Analyst, dramirez-cornejo@wrcog.us, (951) 955-8307**

Date: **December 14, 2017**

***The purpose of this item is to** provide an update of annual TUMF reviews for member agencies for Fiscal Year 2016/2017.*

Requested Action:

1. Receive and file.

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 Joint Powers Authority (JPA) participate in the Program through an adopted ordinance, collect fees from new development, and remit 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 amount of fees collected in these groups, and the Riverside Transit Agency.

Annual TUMF review of member agencies

WRCOG is conducting reviews of TUMF collections by participating agencies for FY 2016/2017. The reviews provide WRCOG an opportunity to meet with staff that are assigned to TUMF, including planning, public works, and finance staff. During the review, WRCOG randomly selects remittance reports to review and verify that the correct land use type was used and that fees were calculated properly. As of this writing, staff has all visited all participating agencies and the reviews are expected to conclude by December 2017.

One item that has been brought staffs attention during the reviews is the calculation of TUMF for gas stations. Staff understands that the calculation for this type of use can be confusing and has resulted in the miscalculation of TUMF; therefore, WRCOG will be reviewing the methodology and worksheet to make any necessary adjustments. For the time being, staff has included the table below showing the current TUMF obligation for a gas station based on the number of pumps and the assumption that the square footage is any associated building is less than the equivalent square footage of the pumps. These fee calculations are also based on the TUMF Calculation Handbook that was approved by the Executive Committee on December 4, 2017. This version of the TUMF Calculation Handbook was updated to reflect data from the 2016 TUMF Nexus Study and to include updated pass by trip ratios, specifically for gas stations.

# of Fueling Pumps	Current Square Footage Equivalent	Square Footage Equivalent	3,000 Square Footage Adjustment	Square Footage that is Assessed TUMF	Retail TUMF	TUMF Obligation
4	1403.8	5615.20	-3,000	2615.20	$7.50	$19,614.00
6	1403.8	8422.80	-3,000	5422.80	$7.50	$40,671.00
8	1403.8	11230.40	-3,000	8230.40	$7.50	$61,728.00
10	1403.8	14038.00	-3,000	11038.00	$7.50	$82,785.00
12	1403.8	16845.60	-3,000	13845.60	$7.50	$103,842.00
14	1403.8	19653.20	-3,000	16653.20	$7.50	$124,899.00
16	1403.8	22460.80	-3,000	19460.80	$7.50	$145,956.00

As WRCOG is preparing the final reports to be distributed to City Managers / agency heads in early 2018, staff would like to provide a few information items regarding the Program.

- On July 10, 2017, the Executive Committee approved the 2016 TUMF Nexus Study and corresponding fee schedule, which included an immediate implementation of a reduced retail TUMF fee of $7.50/square foot. Therefore, any retail development that comes in to a participating agency should be assessed TUMF at the $7.50/square foot rate.
- On August 7, 2017, the Executive Committee approved an immediate implementation of the reduction in overall square footage of retail and service developments by 3,000 square. Therefore, agencies can reduce the overall square footage by 3,000, and just note that the project received the reduction in square footage in the monthly remittance report submitted to WRCOG. This reduction would account for expansions to existing retail/service uses in agencies.
- WRCOG staff is always available to confirm a fee calculation. The Administrative Plan contains the following provision related to the verification of calculations by WRCOG: If first vetted through WRCOG staff in writing, the calculation is not subject to additional review.

Prior Action:

November 8, 2017: The Administration & Finance Committee received and filed.

Fiscal Impact:

Transportation Department activities are included in the Agency's adopted Fiscal Year 2017/2018 Budget under the Transportation Department.

Attachment:

None.

Item 5.B

Western Riverside Council of Governments
Public Works Committee

Staff Report

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

Contact: **Daniel Ramirez-Cornejo, Senior Analyst, dramirez-cornejo@wrcog.us, (951) 955-8307**

Date: **December 14, 2017**

The purpose of this item is to *provide an update of TUMF Program Ad Hoc Committee and the recommendations provided regarding the administration of the Program, fee calculations for service / retail uses, zone process, and project criteria / eligibility.*

Requested Actions:

1. Recommend that the Executive Committee approve the TUMF Program Ad Hoc Committee's recommendation to maintain the current administration and management structure of the TUMF Program.
2. Recommend that the Executive Committee approve the TUMF Program Ad Hoc Committee's recommendation to maintain the current structure of the TUMF Zone process.
3. Recommend that the Executive Committee approve the TUMF Program Ad Hoc Committee's recommendation to have the Public Works Committee review the TUMF Network criteria and project type for future Nexus Study updates to address the following areas:
    a. Expanding the types of projects that can be funded by TUMF, including active transportation projects.
    b. Formalizing a process for each TUMF Zone to prioritize projects within the Zone.
    c. Updating the criteria that is used to determine how projects are added to the Program through the Nexus Study update.

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 Joint Powers Authority (JPA) participate in the Program through an adopted ordinance, collect fees from new development, and remit 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 amount of fees collected in these groups, and the Riverside Transit Agency.

In early 2017, the Executive Committee formed a TUMF Program Ad Hoc Committee to review a number of topics ranging from administration of the Program to fee calculations issues.

April 7, 2017 – Administration of the TUMF Program

Staff provided a presentation regarding the history of the TUMF Program. Staff discussed the initial decision-making processes that influenced the development of TUMF Program, linkages to Measure A, the desire for local control over revenues, cost-efficiencies that were built into the Program as it relates to the distribution of administrative and programming responsibilities, and zone structures and funding allocations. Discussion was held on whether it would be more efficient to have the Riverside County Transportation Commission (RCTC) administer the TUMF Program. The consensus of the group was that the Program in its current form could not be administered by RCTC more efficiently as it would require RCTC to add staff, which would duplicate the work that WRCOG currently does so there no would no net change, if the current structure is kept.

Ad Hoc Committee members unanimously indicated that they believed that given the information reviewed and issues discussed, there is no compelling reason to continue considering the matter of moving the TUMF Program to RCTC.

May 18, 2017 – TUMF Zone Process

Staff provided a presentation on the development of the TUMF Zones as they currently function. Staff believed it was prudent to provide Ad Hoc Committee members the genesis of the zone process as part of the top down review of the TUMF Program. Some current challenges of the zone process presented to the Ad Hoc Committee are that the zones were created before incorporation of a number of jurisdictions and that there are two smaller zones that have not generated significant TUMF revenue in the last several years.

Staff reviewed a number of options for the Ad Hoc Committee members to review and the consensus of the group was to leave the current TUMF Zone process as it functions today.

July 25, 2017 – Exemption options for local serving retail and service uses

Based on the analysis of available data, staff developed potential options for the Ad Hoc Committee and Executive Committee to review and consider regarding a potential exemption.

The preferred option of the Ad Hoc Committee was to exclude the first 3,000 square feet of retail and service uses. This option would provide a 3,000 square feet reduction for all retail and service uses, not only to those uses that are 3,000 square feet and below. As the retail and service sectors go through cycles, the need to expand an existing use often is necessary. This option would provide benefit to those uses that are taking a risk to provide more economic development and are proposing to expand their use.

This option is not necessarily an exemption, as member jurisdictions would reduce retail square footage by 3,000 square feet for all retail and service projects. This approach would exempt the first 3,000 square feet of retail and service space. Therefore, if a project is less than 3,000 square feet, no TUMF is paid. If a project is more than 3,000 square feet, the fee is reduced.

The Ad Hoc Committee also discussed the need to monitor this approach and provide a report within one year on its implementation and any recommended changes.

At the August 7, 2017, meeting, the Executive Committee approved the recommendation from Ad Hoc Committee to reduce the first 3,000 square feet from retail and service land uses.

November 15, 2017 – Nexus Study Project Criteria and Type

Staff provided a presentation on the criteria and types of projects that can be funded by the TUMF Program. While WRCOG does not anticipate starting an update to the TUMF Nexus Study for at least two years, this discussion would lay the framework for the next update.

Staff presented a series of questions to the Ad Hoc Committee, for which below are key responses to each:

- *Should the TUMF Program fund other types of projects besides roadways, interchanges, grade separations?* In recent years, staff has received a number of questions regarding TUMF funding for active transportation projects. Under the current 2016 Nexus Study, TUMF funds can be used for Class II bike lanes and transit projects. The members of the Ad Hoc Committee suggested that additional active transportation projects should be reviewed for potential inclusion in future TUMF Nexus Study updates, but raised questions on how additional costs to the TUMF Network could be offset and what criteria would be developed to screen regional active transportation projects.

- *Should TUMF Zones engage in regular discussion of Zone priorities?* Members of the Ad Hoc Committee stated that this exercise should be a priority as the purpose of the TUMF Program is to provide supplemental funding for projects that are shovel ready and provide a regional benefit.
- *Should WRCOG update the criteria for projects to be included in the Program, including some type of feasibility?* Currently, the TUMF Program does not review feasibility to determine whether a project can be included in the Nexus Study. Members of the Ad Hoc Committee suggested that if a feasibility criteria is developed, that the member agency be included in the discussions of removing a facility from the TUMF Network for concurrence.
- *Should WRCOG require some type of formal review but not approval of the TUMF Network by the Riverside County Transportation Commission (RCTC)?* During Nexus Study updates, staff provides regular updates to the WRCOG Committee structure, for which RCTC is a member of the Public Works Committee. Members of the Ad Hoc Committee questioned whether this potential requirement would provide efficiencies and determined that it not be option that WRCOG explore.

The Ad Hoc Committee recommended that WRCOG utilize the Public Works Committee as the body to develop specific language and direction related to three major items:

- Expanding the Program to include additional project types and describing the process on how these projects would be added during a Nexus Study update.
- Developing a process to prioritize projects within each Zone for use during TIP updates.
- Developing criteria for projects to be included in the Nexus Study.

Prior Action:

None.

Fiscal Impact:

Transportation Department activities are included in the Agency's adopted Fiscal Year 2017/2018 Budget under the Transportation Department.

Attachment:

None.

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Western Riverside Council of Governments
Public Works Committee

Staff Report

Subject: **Transportation Uniform Mitigation Fee (TUMF) Fee Schedule / Revenue Update**

Contact: **Daniel Ramirez-Cornejo, Senior Analyst, dramirez-cornejo@wrcog.us, (951) 955-8307**

Date: **December 14, 2017**

***The purpose of this item is to** provide an update of the fee schedule approved by the Executive Committee for the 2016 TUMF Nexus Study and revenue collections for Fiscal Year 2017/2018.*

Requested Action:

1. Receive and file.

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 Joint Powers Authority (JPA) participate in the Program through an adopted ordinance, collect fees from new development, and remit 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 amount of fees collected in these groups, and the Riverside Transit Agency.

2016 TUMF Nexus Study

On July 10, 2017, the Executive Committee approved the 2016 TUMF Nexus Study, which included comprehensive updates to the growth forecast, TUMF Network, and unit cost assumptions. The Executive Committee approved the Study and recommended TUMF participating agencies update their fees by amending their applicable TUMF Ordinances to reflect changes in the TUMF Network and the costs to construct facilities. The TUMF Fee Schedule approved by the Executive Committee is below:

Land Use type	Ordinance effective date – June 30, 2019	July 1, 2019 – June 30, 2020	After July 1, 2020
Single-family residential	$8,873	$9,146	$9,418
Multi-family residential	$6,134	$6,134	$6,134
Industrial	$1.77	$1.77	$1.77
Retail	$7.50	$7.50	$7.50
Service	$4.56	$4.56	$4.56
Class A & B Office	$2.19	$2.19	$2.19

Staff distributed the TUMF Ordinance / Resolution to member agencies on July 11, 2017, for review and adoption. As of this writing, all member agencies, except for March JPA, have adopted the Ordinance. Staff attended the majority of these meetings and provided support to member agency staff in terms of providing presentations and answering questions regarding the TUMF Program. Several agencies asked specific questions regarding TUMF projects previously completed within its respective jurisdictions. WRCOG also prepared template staff reports and presentations for use by jurisdiction staff in these meetings.

On August 7, 2017, the Executive Committee approved a reduction of the overall square footage of retail and service developments by 3,000 square feet to account for local serving retail/service uses and expansions to existing uses. This reduction of square footage was a recommendation from the TUMF Program Ad Hoc Committee during a meeting to discuss fee calculation questions and comments that staff has received over the past years.

WRCOG and consultant WSP have updated the TUMF Calculation Handbook to reflect data from the 2016 TUMF Nexus Study and pass by trip ratios. The Executive Committee approved the updated TUMF Calculation Handbook on December 5, 2017.

Fiscal Year 2017/2018 Revenue Update

Through the month of October, TUMF revenue collections are approximately $19 million. Below is a breakdown of revenue collections by zone for fiscal year 2017/2018:

Central Zone:	$7M
Hemet/San Jacinto Zone:	$1M
Northwest Zone:	$5M
Pass Zone:	$20K
Southwest Zone:	$6M
Total	**$19M**

Below are some trends based on the review of revenue from the first four months of Fiscal Year 2017/2018 TUMF collections:

- Single-family residential TUMF collections continue to remain constant and on pace to match those collected in the prior fiscal years.
- Industrial TUMF collections are on pace to surpass those collected in the prior fiscal years, with $4.2 million collected through four months.
- Retail TUMF collections are on pace to match those collected in the prior fiscal years. This is occurring even after the reduction in the retail rate of $7.50/square foot. Based on staffs review, the loss of revenue resulting from the reduction in retail rate is approximately $900k.
- Developments that qualify for the Class A & B office rate remain at a minimum.

Prior Action:

None.

Fiscal Impact:

Transportation Department activities are included in the Agency's adopted Fiscal Year 2017/2018 Budget under the Transportation Department.

Attachment:

1. TUMF Revenue Collection Update.

Item 5.C

Transportation Uniform Mitigation Fee (TUMF) Fee Schedule / Revenue Update

Attachment 1

TUMF Revenue Collection Update

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Jurisdiction	Fiscal Year 16/17	2017 July	August	September	October	Fiscal Year 17/18
Banning	$88,230	$0	$0	$0	$0	$0
Beaumont	$0	$0	-	$0	$0	$0
Calimesa	$223,831	$8,873	$0	$0	$0	$8,873
Canyon Lake	$39,933	$0	$4,437	$4,437	$13,311	$22,185
Corona	$2,586,051	$278,858	$53,238	$0	$212,952	$545,048
Eastvale	$2,693,729	$0	$540,105	$0	$346,047	$886,152
Hemet	$112,938	$0	$0	$0	$188,534	$188,534
Jurupa Valley	$5,173,764	$230,698	$541,253	$697,938	$319,428	$1,789,317
Lake Elsinore	$1,726,071	$665,475	$381,539	$612,237	$449,110	$2,108,361
March JPA	$1,650,414	$0	$0	$0	$0	$0
Menifee	$3,149,477	$280,300	$460,613	$544,531	$83,243	$1,368,686
Moreno Valley	$1,904,640	$443,650	$464,285	$0	$2,065,071	$2,973,006
Murrieta	$1,906,426	$141,419	$531,868	$527,343	$0	$1,200,630
Norco	$656,200	$0	$8,873	$154,906	$77,531	$241,310
Perris	$2,662,913	$0	$8,873	$8,873	$35,492	$53,238
Riverside	$6,714,464	$164,321	$667,529	$118,925	$368,495	$1,319,269
San Jacinto	$1,818,965	$106,476	$408,158	$150,880	$44,365	$709,879
Temecula	$1,748,088	$290,216	$201,015	$303,172	$176,241	$970,644
Wildomar	$1,710,994	$0	$79,857	$133,095	$336,979	$549,931
County Central	$1,965,328	$44,365	$1,405,491	$39,565	$745,332	$2,234,753
County Hemet/S.J.	$810,845	$159,714	$26,619	$35,492	$17,746	$239,571
County Northwest	$1,226,996	$315,873	$70,984	$151,609	$115,349	$653,815
County Pass	$26,619	$0	$8,873	$0	$0	$8,873
County Southwest	$2,909,179	$164,328	$435,948	$109,315	$153,325	$862,917
Total	**$ 43,506,094**	**$ 3,294,567**	**$6,299,558**	**$ 3,592,316**	**$ 5,748,551**	**$ 18,934,992**

FY 17/18 Revenues by Zone	
Pass	$17,746
Southwest	$5,714,667
Central	$6,629,684
Northwest	$5,434,910
Hemet/SJ	$1,137,984
Total	**$18,934,992**

FY 17/18 Revenues by Land Use	
Single Family	10,338,007
Multi Family	1,215,045
Commercial	914,965
Retail	2,191,115
Industrial	4,275,860
Total	**$18,934,992**

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Item 5.D

Western Riverside Council of Governments
Public Works Committee

Staff Report

Subject: **Transportation Uniform Mitigation Fee (TUMF) Credit Agreements**

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

Date: **December 14, 2017**

***The purpose of this item is to** provide an educational refresher on how Credit Agreements function for large projects such as interchanges.*

Requested Action:

1. Receive and file.

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 Joint Powers Authority (JPA) participate in the Program through an adopted ordinance, collect fees from new development, and remit 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 amount of fees collected in these groups, and the Riverside Transit Agency.

TUMF Credit Agreement Process

Outlined in the TUMF Administrative Plan are the various options / procedures a development project can utilize to meet TUMF obligations. Options for meeting TUMF obligations include the following:

1. Pay TUMF to agency in which building permit is issued;
2. Construct TUMF improvements in lieu of TUMF payment;
3. Participate in a financing district that is constructing a regional TUMF facility; or
4. Credit for monetary contributions to a regional TUMF facility, when these contributions result in the full funding of the project.

In the last couple of years, staff has received a number of questions pertaining to the options other than direct payment of TUMF and the process for which a developer receives credit against a particular projects fee obligation. These inquiries have been related to large infrastructure projects, like interchanges, so staff believes it is important to provide a refresher on the process utilized for developers to receive credit.

Option 2: For the purposes of this exercise, the assumption is that multiple developers are conditioned to contribute their fair share for the transportation impacts on a Type 2 interchange in the TUMF Program. The maximum TUMF eligible amount for a Type 2 interchange in the 2016 Nexus Study is approximately $37 million, which the breakdown by phase below:

Planning:	$2.5M
Engineering:	$6M
Construction/Right-of-Way:	$26M

Contingency:	$2.5M
Total:	**$37M**

In this case, particular developers would be conditioned and willing to fund one of the phases of the project and a member agency would into a TUMF Credit Agreement with each developer for each phase of the project:

Planning: Developer A (one TUMF Credit Agreement)
Engineering: Developer B (a separate TUMF Credit Agreement)
Right-of-Way: Developer C (another TUMF Credit Agreement)

In each instance, the developer would be financially responsible for the implementation of the phase and no Zone TUMF funding would be provided for the particular phase. The developers would enter into TUMF Credit Agreements with the member agency and would directly hire the contractor, in compliance with any Public Works requirements, and process payments. Once a phase of the project has been completed and approved by the member agency, the actual amount of Credit that shall be applied by agency to offset the TUMF Obligation shall be equal to the lesser of A) the Verified Costs; or B) Unit Cost Assumptions in the latest TUMF Nexus Study.

Option 3: For purposes of this exercise, the assumption is that developers form a financing district, such as a Community Facilities District (CFD), to construct the TUMF improvements. Under this option, bonds are issued to pay for the construction of TUMF improvements and the formation of the CFD creates the TUMF create. The developers do not pay TUMF to the member agency and an agreement is entered into between the developer and member agency to issue credit for participation in the CFD. Then the responsibility to construct the TUMF improvements accrues to the CFD.

Option 4: For the purposes of this exercise, the assumption is that the developer is conditioned to build a regional facility and through the requirements of an agency, like Caltrans, cannot lead the implementation of the project. The member agency is the lead on the TUMF improvements and the developer is providing the funding for the project, in accordance with the provisions in the TUMF Administrative Plan. This option is currently being utilized in the City of Corona for the Cajalco Road / I-15 Interchange. What is unique about this process is that the developer funding would result in the construction of the interchange and no public funding is provided for the construction phase. This process also has specific requirements which limit its application to large projects and contains several additional requirements beyond those noted in the Administrative Plan.

Staff would like to note a few key facts regarding the Credit Agreement process:

- TUMF improvements constructed by developers are to be implemented as though they had been constructed under the direction and supervision, or under the authority of the member agency.
- For developers constructing TUMF improvements in lieu of TUMF payment (Option 2), there is no cash exchanged between the developer and the member agency. The developer obtain bids and directly contracts the work.
- The member agency ultimately accepts a project constructed by a developer, which triggers the reconciliation process and determines the amount of actual credit a developer receives against the developments fee obligation.
- Prior to a member agency determining the actual credit for a developer, the member agency notes on monthly remittance reports that the building permit is tied to a Credit Agreement and obligation is deferred.
- If a developer fails to fulfill or complete the obligations of the Credit Agreement, the developer is responsible for the collection of TUMF.
- Bonds are required in the case that the developer fails to fulfill or complete obligations of the Credit Agreement. This ensures that the TUMF improvements are ultimately delivered in a manner acceptable by the member agency.
- The various credit options (#2, #3, and #4) are structured with a number of requirements, which are designed to ensure the timely implementation of improvements under the TUMF Program. Any significant deviation from these processes and procedures could result in WRCOG finding the member agency and the developer to be out of compliance and the imposition of a requirement for either the agency and/or the

developer to remit the TUMF obligation through the payment of fees. As such, WRCOG makes every effort to assist member agencies with this process so staff would encourage all member agencies to reach out if any assistance is needed.

Prior Action:

None.

Fiscal Impact:

Transportation Department activities are included in the Agency's adopted Fiscal Year 2017/2018 Budget under the Transportation Department.

Attachment:

1. Credit Agreement Exhibit.

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Item 5.D

Transportation Uniform Mitigation Fee (TUMF) Credit Agreement

Attachment 1

Credit Agreement Exhibit

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Improvements in Lieu of TUMF Payment

TUMF improvements as a requirement of the conditions of approval?

No → Developer can not receive TUMF credit through a credit agreement.

Yes ↓

Is there an executed and valid credit agreement prior to construction?

No → Credit agreement must be executed and valid prior to construction of TUMF improvements.

Yes ↓

Has the project been completed and accetpted b ythe member agency?

No → Credit agreement must be executed and valid prior to construction of TUMF improvements.

Yes ↓

Member agency issues credit: does the TUMF credit equal the TUMF obligation?

No → If credit is less than TUMF obligation, a balance is due to the member agency.

No → If actual project cost is more than TUMF obligation, but less than the maximum TUMF share, developer may receive a reimbursement.

Yes ↓

Developer TUMF obligation has been met.

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Western Riverside Council of Governments
Public Works Committee

Staff Report

Subject: **Regional Transportation Summit**

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

Date: **December 14, 2017**

The purpose of this item is to *announce the Regional Transportation Summit that will take place on January 17, 2018, at the City of Moreno Valley Conference and Recreation Center from 10 a.m. to 2 p.m.*

Requested Action:

1. Receive and file.

WRCOG has held conferences in the past that provide opportunities to learn more about sectors and emerging technologies that can help create healthier communities. WRCOG will be holding a Regional Transportation Summit to provide information on the future of transportation and preparing for it.

Regional Transportation Summit

WRCOG is pleased to team with the City of Moreno Valley to present information to attendees about upcoming transportation technologies, and providing a chance for industry professionals to network. Topics to be covered: autonomous vehicles, alternative fuels, active transportation, transportation management, mass transit, air quality, transportation funding, and others topics. The Summit will feature a keynote speaker and two panels – the first will feature where transportation is going, and the second will feature how local jurisdictions can get there. The first panel will feature speakers on prevalent technologies that local jurisdictions must consider when planning and making decisions that will affect the future. The second panel will feature speakers on possible funding mechanisms local jurisdictions to take advantage.

The Summit will also include an exhibitor area that will feature alternative fuel vehicles, transportation technology booths, Big Data, partner agencies, and alternative fuels. It is also hopeful that alternative fuel vehicles will be available for test driving purposes. Invited attendees will include local leaders, transportation industry stakeholders, transit agencies, fuel providers, vehicle and transportation technology manufactures, among others. Registration will be free to staff of WRCOG member jurisdictions.

Prior Action:

None.

Fiscal Impact:

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

Attachment:

None.

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Western Riverside Council of Governments
Public Works Committee

Staff Report

Subject: **Big Data Examples**

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

Date: **December 14, 2017**

The purpose of this item is to *provide examples of the types of questions Big Data can provide that will help local jurisdictions look into possible solutions in solving transportation challenges.*

Requested Action:

1. Receive and file.

One of WRCOG's goals is to help its local jurisdictions be more efficient and conduct research into helpful tools. One possible tool is Big Data, and the Committee heard a presentation about this in October 2016. Since then, WRCOG staff has looked into several different Big Data sources, and would like to present sets of data provided by a data vendor that could assist local jurisdictions.

Big Data

Ten years ago, transportation planners and engineers made decisions about massive infrastructure projects using computer models, counts collected in the field, and utilizing household survey data (which only represents a fraction of the people). In recent years, a variety of Big Data firms has come to market. These firms purchase data from GPS providers, cell phone provides, and other data sources and are learning to filter the data for commercial use. Although there are still some limitations in the data sets, it does provide transportation professionals access to data sources that were not available before.

Big Data and the growth of new technologies have and will continue to influence policy-making and planning in local jurisdictions. The way new technologies can collect data and analyze in a more efficient, cost-saving, and transparent manner should be an opportunity and not a challenge. Big Data is able to assist some of the biggest challenges faced today, such as:

1. Speed profile before / after projects
2. Commute times
3. Demographic profile
4. Origin / destination of attractions
5. Trip length based on land use characteristics

WRCOG presents this information so that local jurisdictions are aware of the opportunities Big Data presents; WRCOG is willing to play a role in supporting local jurisdictions with resources, and will continue to evaluate Big Data. Additionally, WRCOG is engaging in on-going discussions with partner agencies such as SCAG and Big Data vendors to determine whether it would be feasible for WRCOG to purchase this data on behalf of our member agencies.

Prior Action:

October 13, 2016: The Public Works Committee received and filed.

Fiscal Impact:

Transportation Department activities are included in the Agency's adopted Fiscal Year 2017/2018 Budget under the Transportation Department.

Attachment:

None.