



Western Riverside Council of Governments Public Works Committee

AGENDA

**Thursday, December 12, 2019
2:00 p.m.**

**Western Riverside Council of Governments
Citrus Tower
3390 University Avenue, Suite 450
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) 405-6703. 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 3390 University Avenue, Suite 450, 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 (Bob Moehling, Vice-Chair)**
- 2. SELF INTRODUCTIONS**
- 3. PLEDGE OF ALLEGIANCE**
- 4. 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 agenda items at the time the item is called for discussion. No action may be taken on items not listed on the agenda unless authorized by law. Whenever possible, lengthy testimony should be presented to the Committee in writing and only pertinent points presented orally.

- 5. SELECTION OF PUBLIC WORKS COMMITTEE CHAIR POSITION FOR THE REMAINDER OF FISCAL YEAR 2019/2020** **P. 1**

Requested Action: 1. *Select a Public Works Committee Chair for the remainder of Fiscal Year 2019/2020.*

6. MINUTES

- A. **Summary Minutes from the November 14, 2019, Public Works Committee Meeting** **P. 3**
are Available for Consideration.

Requested Action: 1. *Approve the Summary Minutes from the November 14, 2019, Public Works Committee meeting.*

7. 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. **WRCOG Committees and Agency Activities Update** **Chris Gray** **P. 7**

Requested Action: 1. *Receive and file.*

- B. **TUMF Revenue and Expenditures Update** **Andrew Ruiz** **P. 21**

Requested Action: 1. *Receive and file.*

8. REPORTS / DISCUSSION

- A. **TUMF Construction Cost Index Adjustment Implementation Process** **Ivana Medina, WRCOG** **P. 27**

Requested Action: 1. *Receive and File.*

- B. **TUMF Zone Revenue Forecasts** **Ivana Medina, WRCOG** **P. 39**

Requested Action: 1. *Discuss and provide input regarding revenue forecasts for upcoming Transportation Improvement Plan Updates in Fiscal Year 2019/2020.*

- C. **Resilient IE Activities Update** **Chris Gray, WRCOG** **P. 41**

Requested Action: 1. *Receive and file.*

- D. **Request to Review RIVCOM Socio-Economic Data** **Christopher Tzeng, WRCOG** **P. 45**

Requested Action: 1. *Receive and file.*

- E. **Updated Traffic Impact Analysis Guidelines Template** **Chris Gray, WRCOG** **P. 47**

Requested Action: 1. *Receive and file.*

Requested Action: 1. Receive and file.

9. REPORT FROM THE DIRECTOR OF TRANSPORTATION & PLANNING

10. ITEMS FOR FUTURE AGENDAS

Members

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

11. GENERAL ANNOUNCEMENTS

Members

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

- 12. NEXT MEETING:** The Public Works Committee meeting scheduled for Thursday, January 9, 2020, is cancelled. The next Public Works Committee meeting is scheduled for Thursday, February 13, 2020, at 2:00 p.m. at WRCOG's NEW office located at 3390 University Avenue, Suite 200, Riverside.

13. ADJOURNMENT

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Western Riverside Council of Governments

Public Works Committee

Staff Report

Subject: Selection of Public Works Committee Chair Position for the Remainder of Fiscal Year 2019/2020

Contact: Chris Gray, Director of Transportation & Planning, cgray@wrcog.us, (951) 405-6710

Date: December 12, 2019

The purpose of this item is to select a Public Works Committee Chair for the remainder of Fiscal Year 2019/2020.

Requested Action:

1. Select a Public Works Committee Chair for the remainder of Fiscal Year 2019/2020.

In August 2019, Kristen Jensen from the City of Hemet was selected to serve as Chair of the Public Works Committee for Fiscal Year 2019/2020. Committee member Jensen has recently resigned from the City of Hemet, thereby vacating that position. WRCOG was informed by City staff that the City does not wish to designate another staff person to serve in that position for Fiscal Year 2019/2020. Therefore, the position of Chair is currently vacant.

The current Vice-Chair is Bob Moehling from the City of Murrieta. The current Second Vice-Chair is Brad Brophy, who represents the Cities of Canyon Lake, Perris, and San Jacinto. In absence of the Chair, the Vice-Chair is responsible for facilitating the meetings.

Should either the Vice-Chair or Second Vice-Chair be selected to serve as the Chair / Vice-Chair respectively, it will be necessary to fill that / those position(s), as well.

Prior Action:

None.

Fiscal Impact:

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

Attachment:

None.

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1. CALL TO ORDER

The meeting of the Public Works Committee was called to order at 1:01 p.m. by Vice-Chair Bob Moehling at WRCOG's office, Citrus Conference Room.

2. ROLL CALL

Members present:

Art Vela, City of Banning
Jeff Hart, City of Beaumont (1:20 p.m. arrival)
Lori Askew, City of Calimesa (1:04 p.m. arrival)
Tom Koper, City of Corona
Craig Bradshaw, Cities of Eastvale and Wildomar
Mike Myers, City of Jurupa Valley (1:15 p.m. arrival)
Yu Tagai, City of Lake Elsinore
Carlos Geronimo, City of Menifee
Michael Wolfe, City of Moreno Valley
Bob Moehling, City of Murrieta, Vice-Chair
Brad Brophy, Cities of Canyon Lake, Perris, and San Jacinto
Patrick Thomas, City of Temecula
Alvin Medina, County of Riverside
Shirley Medina, Riverside County Transportation Commission (1:52 p.m. arrival)
Jennifer Nguyen, Riverside Transit Agency

Staff present:

Chris Gray, Director of Transportation & Planning
Christopher Tzeng, Program Manager
Ivana Medina, Staff Analyst
Daniel Soltero, Staff Analyst
Suzy Nelson, Administrative Assistant

Guests present:

Darren Henderson, WSP / WRCOG consultant
Kwasi Agyakwa, Caltrans
Jason Pack, Fehr & Peers
Paul Rodriguez, Rodriguez Consulting Group
Riley Keller, Caltrans
Nathan Mustafa, City of Riverside
Stuart McKibbin, City of San Jacinto
Amer Attar, City of Temecula

3. PLEDGE OF ALLEGIANCE

Vice-Chair Bob Moehling led the members and guests in the Pledge of Allegiance.

4. PUBLIC COMMENTS

There were no public comments.

5. MINUTES (Moreno Valley / Menifee) 15 yes; 0 no; 0 abstention. Item 5.A was approved. The Cities of Beaumont, Hemet, Jurupa Valley, Norco, and Riverside, March JPA, and RCTC were not present.

A. Summary Minutes from the October 10, 2019, Public Works Committee Meeting are Available for Consideration.

Action: 1. *Approved Summary Minutes from the October 10, 2019, Public Works Committee meeting.*

6. CONSENT CALENDAR (Wildomar / Perris) 15 yes; 0 no; 0 abstention. Items 6.A through 6.C were approved. Item 6.B was pulled for discussion. The Cities of Beaumont, Hemet, Jurupa Valley, Norco, and Riverside, March JPA, and RCTC were not present.

A. WRCOG Committees and Agency Activities Update

Action: 1. *Received and filed.*

B. TUMF Revenue and Expenditures Update

Chris Gray reported that \$66 million was collected last year and within the first two months of the current fiscal year the Program has collected \$5 million, which puts the Program on the same pace as last year. Staff will report more in depth at the next meeting.

Action: 1. *Received and filed.*

C. Approval of Public Works Committee 2020 Meeting Schedule

Action: 1. *Approved the schedule of Public Works Committee meetings for 2020.*

7. REPORTS / DISCUSSION

A. TUMF Nexus Study Principles and Goal Discussion

Chris Gray provided an overview of several principles and goals that should be considered when updating the Nexus Study. Staff provided different examples of issues and options to discuss and provided the effects of each issue. Key topics included the scope of the Network, the level of funding provided for projects, how easy or difficult it would be to add new projects, and whether an automatic Construction Cost Index adjustment should be considered.

Any and all comments need to be submitted to WRCOG by January 9, 2020, to initiate the comprehensive update of the Nexus Study in the summer of 2020.

Action: 1. *Received and filed.*

B. Vehicle Miles Traveled Mitigation Bank or Exchange

Jason Pack provided a presentation of several options related to a Vehicle Miles Traveled (VMT) mitigation bank, also known as VMT mitigation fee. Pros and cons of the options related to an impact fee program, a mitigation exchange, and mitigation bank were discussed. Several Committee members suggested WRCOG take more of a regional effort. Staff indicated that this initial effort was to examine feasibility and that additional information will be brought forward.

Action: 1. *Received and filed.*

C. Understanding the Transportation Analysis Implications of Senate Bill 743

Chris Tzeng provided an update regarding the transportation analysis of SB 743, which was signed into law in September 2003, but does not take effect until July 1, 2020. SB 743 is intended to fundamentally change transportation impact analyses as part of the California Environmental Quality Act (CEQA) compliance. Staff shared ways agencies can comply with the bill and steps to analyze Vehicle Miles Traveled (VMT) impacts. Staff will provide a template staff report for member jurisdictions' use in implementing SB 743.

With the help of a SCAG grant, WRCOG was able to conduct a study to help members implement SB 743. Staff is utilizing the Planning Directors and Public Works Committees to provide updates and gather feedback as jurisdictions adopt measures. Based on the different options analyzed, WRCOG recommends utilizing the Riverside County Travel Demand Model (RIVTAM / RIVCOM). Jurisdictions and technical experts have been utilizing RIVTAM since 2009, so there is familiarity with the model. WRCOG is developing a new version of the model, RIVCOM, which will be updated and refined to improve compliance with SB 743 expectations.

WRCOG has developed a website to help members with the analysis and provide more information.

Action: 1. *Received and filed.*

D. Regional Streetlight Program Activities Update

Daniel Soltero provided a recap of all Streetlight Program activities to date. Of the 11 participating jurisdictions in the Program, 10 have completed the acquisition process and have commenced with Siemens Operations and Maintenance (O&M) services. The remaining jurisdiction (City of Menifee) will acquire its streetlights and is anticipated to commence with Siemens during the fourth quarter in 2019.

Staff provided an overview of the resolved work orders across the subregion between September 2018 through October 2019. The average resolution time for routine O&M work orders is 4.99 work days and the average resolution time for extraordinary O&M callouts is 1.84 days.

The Cities of Eastvale, Murrieta, and Wildomar have substantially completed its streetlights retrofit, while the other jurisdictions are currently retrofitting and/or nearing completion.

Action: 1. *Received and filed.*

8. REPORT FROM THE DIRECTOR OF TRANSPORTATION & PLANNING

Chris Gray shared that by the end of the year there will be a Southwest and Central Zone meeting taking place. WRCOG's new Transportation Program Manager, Cameron Brown, will be starting November 25, 2019. Over the next year Transportation Department staff will be meeting with all jurisdictions to go over any TUMF matters.

9. ITEMS FOR FUTURE AGENDAS

There were no items for future agendas.

10. GENERAL ANNOUNCEMENTS

Committee member Craig Bradshaw shared that the I-15 / Limonite Avenue ribbon cutting took place, making the completion time of the project just under 15 months.

11. NEXT MEETING

The next Public Works Committee meeting is scheduled for Thursday, December 12, 2019, 2:00 p.m., at WRCOG's office located at 3390 University Avenue, Suite 450, Riverside.

12. ADJOURNMENT

The meeting of the Public Works Committee adjourned at 2:31 p.m.



Western Riverside Council of Governments Public Works Committee

Staff Report

Subject: WRCOG Committees and Agency Activities Update

Contact: Chris Gray, Director of Transportation & Planning, cgray@wrcog.us, (951) 405-6710

Date: December 12, 2019

The purpose of this item is to provide updates on noteworthy actions and discussions held in recent standing Committee meetings, and to provide general project updates.

Requested Action:

1. Receive and file.
-

Attached are summary recaps of actions and activities from recent WRCOG standing Committee meetings that occurred during the month of November.

Prior Action:

December 2, 2019: The Executive Committee received and filed.

Fiscal Impact:

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

Attachment:

1. Summary recaps from November Committee meetings.

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Item 7.A

WRCOG Committees and Agency
Activities Update

Attachment 1

Summary recaps from November
Committee meetings

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**Western Riverside Council of Governments
Executive Committee
Meeting Recap
November 4, 2019**

Following is a summary of key items discussed at the last Executive Committee meeting. To review the full agenda and staff reports for all items, please click [here](#). To review the meetings **PowerPoint presentation**, please click [here](#).

PACE Programs Update

- The Executive Committee approved a HERO Program Administration Agreement Amendment and Addendum to the Administration Agreement allowing Renovate America to expand into areas previously unavailable.
- Staff provided an update on the Ad Hoc Committee formed to track the progress of the requirements outlined in the Renovate America stipulated judgment.

TUMF Reimbursement Agreement Approved

- The Executive Committee approved a TUMF Reimbursement Agreement with the County of Riverside for the Temescal Canyon Road Widening Project for \$3 million to fund Planning and Engineering studies.

TUMF CCI Adjustment Approved

- The Construction Cost Index (CCI) is an administrative element of the TUMF Program that is intended to keep the dollar value of the TUMF Program whole. Each year, staff is required to bring CCI adjustment information to the WRCOG committee structure.
- The Executive Committee implemented the TUMF CCI adjustment with a single-family residential phase-in and no increase to the retail fee based on the following fee schedule.

Land Use Type	Units	July 1, 2020 TUMF (with CCI)	January 1, 2021 TUMF (with CCI)
Single-Family Residential	DU	\$ 9,478	\$ 9,810
Multi-Family Residential	DU	\$ 6,389	\$ 6,389
Retail	SF	\$ 7.50	\$ 7.50
Service	SF	\$ 4.75	\$ 4.75
Industrial	SF	\$ 1.81	\$ 1.81

Presentation by the Riverside County Superintendent of Schools

- Executive Committee member, Dr. Judy White, Riverside County Superintendent of Schools, provided an update on the variety of initiatives undertaken by the Riverside County Office of Education (RCOE), including but not limited to, programs that promote literacy and encourage acts of kindness and community involvement at local schools.
- Visit www.rcoe.us/adopt-a-school for more information on the Adopt a School Program, and www.rcoe.us/kindness to register an act of kindness.
- RCOE serves 428,992 students.

Southern California Edison Presents on its Public Safety Power Shutoff Program

- A representative from Southern California Edison (SCE) presented on the 2019 Wildfire Mitigation Plan which will harden infrastructure, bolster situational awareness capabilities, enhance operational practices, and harness the power of data and technology.
- A report was also presented on the Public Safety Power Shutoffs, which occurs when SCE de-energizes power lines during high fire risk weather conditions to enhance public safety. SCE has committed to provide timely notification to impacted customers.
- Customers can call (800) 611-1911 to learn about or report power outages, down powered lines, items in the power lines, etc. Alternatively, customers can do the same at <https://www.sce.com/outage-center>.

Next Meeting

The next Executive Committee meeting is scheduled for Monday, December 2, 2019, at 2:00 p.m., at the County of Riverside Administrative Center, 1st Floor Board Chambers.



**Western Riverside Council of Governments
Administration & Finance Committee
Meeting Recap
November 13, 2019**

Following is a summary of key items discussed at the last Administration & Finance Committee meeting. To review the full agenda and staff reports, please click [here](#). To review the meeting PowerPoint presentation, please click [here](#).

1st Quarter Draft Budget Amendment Approved

- Energy Department expenditures increased due to legal costs associated with PACE providers SAMAS Capital and TWAIN Capital.
- Overall Agency Budget remains balanced.

PACE Commercial Program Administrative Agreement Approved

- The Administration & Finance Committee recommended that the Executive Committee approve a HERO Commercial Programs Administration Agreement with Renovate America.
- The Administration & Finance Committee recommended that the Executive Committee authorize Renovate America to administer and finance eligible improvements to be installed on commercial properties.

Alternative Compliance Program Report Update

- WRCOG has been partnering with Riverside County Flood Control, Riverside County, and the Cities of Temecula, Wildomar, and Murrieta to evaluate the feasibility of establishing a voluntary regional ACP Program.
- Alternative Compliance Programs (ACP) use off-site facilities to address storm water issues for individual development projects; these off-site facilities can include regional detention basins, stream improvements, habitat improvements, and other related items.
- Currently the San Diego Regional Water Quality Control Board (RWQCB) allows for the development of a comprehensive ACP program; WRCOG is focusing its efforts on the area that is covered by the San Diego region.
- Staff from the cities of Murrieta, Temecula, and Wildomar provided feedback and have indicated a regional ACP would be beneficial for their jurisdictions. They have also indicated they would like WRCOG to further pursue developing an ACP and obtain feedback from the San Diego RWQCB.
- The County has provided a comment letter to WRCOG and WRCOG has provided responses. The County requested additional analysis to explore whether an ACP would benefit the County.

Regional Streetlights Program Update

- Approximately half of the 55,000 streetlights among the 11 participating jurisdictions/agencies have been retrofitted to date, and staff provided a schedule with estimated timeframes for completion in the remaining jurisdictions.
- Cities of Eastvale, Murrieta, and Wildomar have substantially completed their streetlights retrofits. Cities of Hemet, Lake Elsinore, Moreno Valley, San Jacinto, and the Jurupa Community Services District are currently retrofitting streetlights and/or nearing completion. Cities of Menifee, Perris, and Temecula are anticipated to start retrofitting streetlights in Q4 2019 and Q1 2020.

- 10 of 11 participating jurisdictions are utilizing Siemens for streetlight O&M services as part of a regional program administered by WRCOG.
- 683 O&M work orders were resolved across the region between September 2018 through October 2019. Average resolution time for routine O&M work orders is 4.99 work days, and the average resolution time for extraordinary O&M callouts is 1.84 days. Additionally, 16 pole knockdowns across the region have occurred since September 2018. Siemens responded to and restored public safety at pole knockdown sites in an average 2.56 hours.

TUMF Nexus Study Principles and Goals Discussed

- WRCOG will perform an update to the TUMF Nexus Study after approval of SCAG RTP/SCS document, as the Nexus Study utilizes the same growth forecasts for consistency purposes.
- During the next several months WRCOG will be seeking feedback on key elements of the Nexus Study approach and process. These include issues such as the following:
 - Should TUMF continue to focus on higher value regional projects?
 - Should the TUMF Program provide a higher level of funding for projects?
 - How stringent should the process be to add projects to the TUMF Network?
 - Should we consider whether to use TUMF to mitigate VMT impacts or some other mechanism?
 - Should we implement an automatic Construction Cost Index (CCI)?

Next Meeting

The next Administration & Finance Committee meeting is scheduled for Wednesday, December 11, 2019, at 12:00 p.m. in WRCOG's office, located at 3390 University Avenue, Suite 450, Riverside.



**Western Riverside Council of Governments
Planning Directors Committee
Meeting Recap
November 14, 2019**

Following is a summary of key items discussed at the last Planning Directors Committee meeting. To review the full agenda and staff reports, please click [here](#). To review the meeting PowerPoint presentation, please click [here](#).

RHNA Methodology Update

- Staff presented information regarding an updated RHNA Calculation methodology. This methodology was approved at the November 7, 2019 SCAG Regional Council Meeting.
- This methodology results in an allocation of 135,000 housing units to jurisdictions in the subregion in the upcoming RHNA cycle
- The methodology is being transmitted to the State Department of Housing and Community Development (HCD) for their review and approval
- WRCOG expects that member agencies will receive their final RHNA allocations in the next 3-6 months

SB 2 Planning Grant Update

- Staff presented information regarding the status of SB 2 Planning Grants for the WRCOG Region
- Based on information provided by the PDC, the majority of WRCOG's member agencies have either been awarded their SB 2 Grants or will be submitting applications by the deadline
- The majority of members are using the funds for Housing Elements, permitting software, and other related tasks

State Housing Legislation Update

- AB 101/SB 102 provide additional funding for local and regional planning efforts
- Three key bills (SB 13, AB 68, and AB 881) relate to reducing requirements for ADU's
- SB 330 limits new fees and regulations on projects with complete applications
- AB 1763 provides bonuses for affordable housing projects

Regional Housing Element Discussed

- There was an interest expressed by members in having WRCOG provide GIS assistance or developing tools to assist our local agencies with the preparation of housing elements

California's Recycling Requirements Update

- Staff provided an update on AB 1383, which mandates the recycling of organic waste
- Committee members asked that WRCOG provide templates or examples of trash enclosures that member agencies could use when reviewing and approving projects

SB 743 Update

- Staff provided a review of WRCOG's study on SB 743
- WRCOG will be providing template staff and updated traffic study guidelines for member agencies to use in implementing SB 743

Next Meeting

The next Planning Directors Committee meeting is scheduled for Thursday, December 12, 2019, at **9:30 a.m.** at WRCOG's office, located at 3390 University Avenue, Suite 450, Riverside.



**Western Riverside Council of Governments
Public Works Committee
Meeting Recap
November 14, 2019**

Following is a summary of key items discussed at the last Public Works Committee meeting. To review the full agenda and staff reports, please click [here](#). To review the meeting PowerPoint presentation, please click [here](#).

TUMF Nexus Study Principles and Goals Discussed

- Staff provided an overview of several principles or goals that should be considered when updating the Nexus Study
- Key topics include the scope of the network, the level of funding provided for projects, how easy or difficult it would be to add new projects, and whether an automatic CCI should be considered
- Member comments should be submitted by January 9, 2019

VMT Mitigation Bank or Exchange Considered

- Jason Pack from Fehr & Peers presented several options related to a VMT mitigation bank or VMT mitigation fee
- Several committee members asked if it would be advisable to consider a more regional effort
- WRCOG Staff indicated that this initial effort was to examine feasibility and that additional information would be brought forward

SB 743 Analysis Shared

- Staff presented an overview of WRCOG's efforts related to the implementation of SB 743, which requires the use of VMT as a metric for CEQA evaluations
- WRCOG will be providing updated traffic study guidelines and staff report templates for our member agencies to use

Regional Streetlight Program Update

- Cities of Eastvale, Murrieta, and Wildomar have substantially completed their streetlights retrofits. Cities of Hemet, Lake Elsinore, Moreno Valley, San Jacinto, and the Jurupa Community Services District are currently retrofitting streetlights and/or nearing completion. Cities of Menifee, Perris, and Temecula are anticipated to start retrofitting streetlights in Q4 2019 and Q1 2020.
- 10 of 11 participating jurisdictions are utilizing Siemens for streetlight O&M services as part of a regional program administered by WRCOG.
- 683 O&M work orders were resolved across the region between September 2018 through October 2019. Average resolution time for routine O&M work orders is 4.99 work days, and the average resolution time for extraordinary O&M callouts is 1.84 days. Additionally, 16 pole knockdowns across the region have occurred since September 2018. Siemens responded to and restored public safety at pole knockdown sites in an average 2.56 hours.

Next Meeting

The next Public Works Committee meeting is scheduled for Thursday, December 12, 2019, at 2:00 p.m., in WRCOG's office, located at 3390 University Avenue, Suite 450, Riverside.



**Western Riverside Council of Governments
Technical Advisory Committee
Meeting Recap
November 21, 2019**

Following is a summary of key items discussed at the last Technical Advisory Committee meeting. To review the full agenda and staff reports, please click [here](#). To review the meeting PowerPoint presentation, please click [here](#).

1st Quarter Budget Amendment Approved

- Overall Agency Budget remains balanced.

Santa Ana MS4 Permit Compliance Program

- Darcy Kuenzi of the Riverside County Flood Control and Water Conservation District provided a status of the National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Programs within the Santa Ana Region of Riverside County.
- These permits, issued pursuant to the federal Clean Water Act, are designed to protect local lakes, rivers and streams from pollution associated with urban land use.
- The Santa Ana Regional Water Quality Control Board is planning to proceed with a regional MS4 permit that will address a tri-county regional permit, watershed planning requirements, bacteria TMDL updates, and homelessness encampments.
- Click here for information on [SB 205 Implementation](#)

Southern California Edison Presents on its Public Safety Power Shutoff Program

- Jeremy Goldman of Southern California Edison (SCE) presented on the 2019 Wildfire Mitigation Plan which will harden infrastructure, bolster situational awareness capabilities, enhance operational practices, and harness the power of data and technology.
- A report was also presented on the Public Safety Power Shutoffs (PSPS), which occur when SCE de-energizes power lines during high fire risk weather conditions. SCE has committed to provide timely notification to impacted customers.
- Customers can call (800) 611-1911 to learn about or report power outages, down powered lines, items in the power lines, etc. Alternatively, customers can do the same at <https://www.sce.com/outage-center>.

2020 Census

- Jason Farin of the Riverside County Executive Office provided an update on a recently-released funding announcement for the 2020 Census; \$500,000 has been allocated to jurisdictions throughout Riverside County and will be allocated based on the following:
 1. Population size
 2. Hard-to-count percentage (provided by state)
 3. Base amount
- Jurisdictions that would like to opt-in to the County's funding opportunity for 2020 Census Outreach efforts are asked to make a request by contacting 2020Census@rivco.org by December 9, 2019.
- Click here for [Riverside County 2020 Census – City Funding Announcement](#)

TUMF Nexus Study Update Principles and Goals Discussed

- Staff provided an overview of several principles or goals that will be considered during the update of the TUMF Program Nexus Study including the overall Network, the level of funding provided for projects, the potential incorporation of vehicle miles traveled programs, and whether an automatic CCI adjustment should be considered.
- TAC members will consider recommendations from the PWC members on these and other potential Nexus Study update issues.

Alternative Compliance Program (ACP) Report Update

- WRCOG has been partnering with the Riverside County Flood Control, County of Riverside, and the Cities of Murrieta, Temecula, and Wildomar to evaluate the feasibility of establishing a voluntary regional ACP Program.
- ACP uses off-site facilities to address storm water issues for individual development projects; these off-site facilities can include regional detention basins, stream improvements, habitat improvements, and other related items.
- Currently the San Diego Regional Water Quality Control Board (RWQCB) allows for the development of a comprehensive ACP program; WRCOG is focusing its efforts on jurisdictions that are within the San Diego Water Quality Board region.

Regional Streetlights Program Update

- Approximately 28,000 of the 55,000 streetlights among the 11 participating jurisdictions / agencies have been retrofitted to LED to date.
- The Cities of Eastvale, Murrieta, and Wildomar have substantially completed their streetlights retrofits. The Cities of Hemet, Lake Elsinore, Moreno Valley, and San Jacinto, and the Jurupa Community Services District are currently retrofitting streetlights and/or nearing completion. The Cities of Menifee, Perris, and Temecula are anticipated to begin retrofitting their streetlights in Q4 2019 and Q1 2020.
- 10 of the 11 participating jurisdictions are utilizing Siemens for streetlight operations and maintenance (O&M) services as part of a regional program administered by WRCOG.
- Staff provided an update on the types and amount of maintenance work orders being addresses. 683 O&M work orders were resolved across the region between September 2018 and October 2019. Average resolution time for routine O&M work orders is 4.99 work days, and the average resolution time for extraordinary O&M callouts is 1.84 days. Additionally, 16 pole knockdowns across the region have occurred since September 2018. Siemens responded to and restored public safety at pole knockdown sites in an average 2.56 hours.

Next Meeting

The Technical Advisory Committee is **DARK** in December. The next Technical Advisory Committee meeting is scheduled for Thursday, January 16, 2020, at 9:30 a.m., at WRCOG's office located at 3390 University Avenue, Suite 450, Riverside.

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Western Riverside Council of Governments

Public Works Committee

Staff Report

Subject: TUMF Revenue and Expenditures Update

Contact: Andrew Ruiz, Chief Financial Officer, aruiz@wrcog.us, (951) 405-6741

Date: December 12, 2019

The purpose of this item is to provide an update on the TUMF revenues, expenditures, and reimbursements for the current month and since Program inception.

Requested Action:

1. Receive and file.

For the month of September 2019, the TUMF Program received \$5,110,701 in revenue.

To date, revenue received into the TUMF Program total \$850,246,483. Interest amounts to \$35,564,546, for a total collection of \$885,811,029.

WRCOG has dispersed a total of \$416,034,719 primarily through project reimbursements and refunds, and \$26,900,020 in administrative expenses.

The Riverside County Transportation Commission share payments have totaled \$386,270,528 through October 31, 2019.

Prior Action:

November 14, 2019: The Public Works Committee received and filed.

Fiscal Impact:

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

Attachment:

1. TUMF Program revenue summary.

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Item 7.B

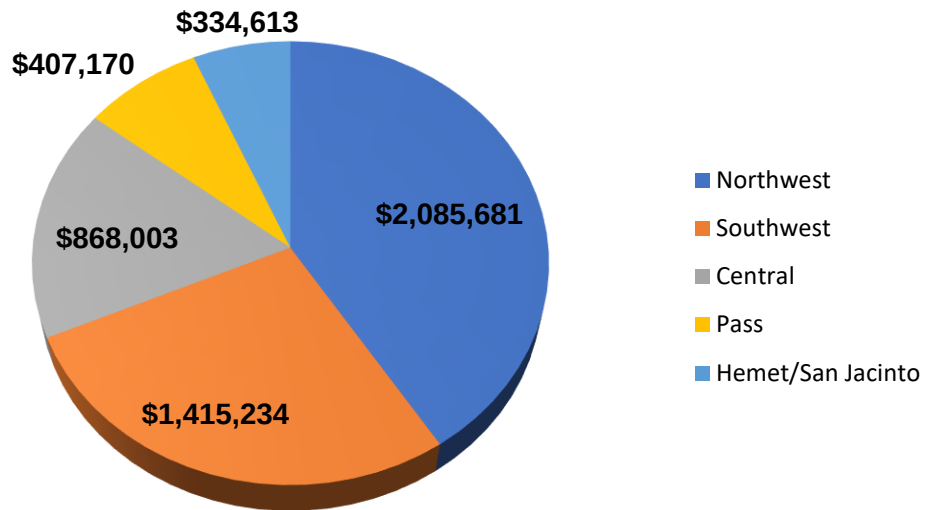
TUMF Revenue and Expenditures
Update

Attachment 1

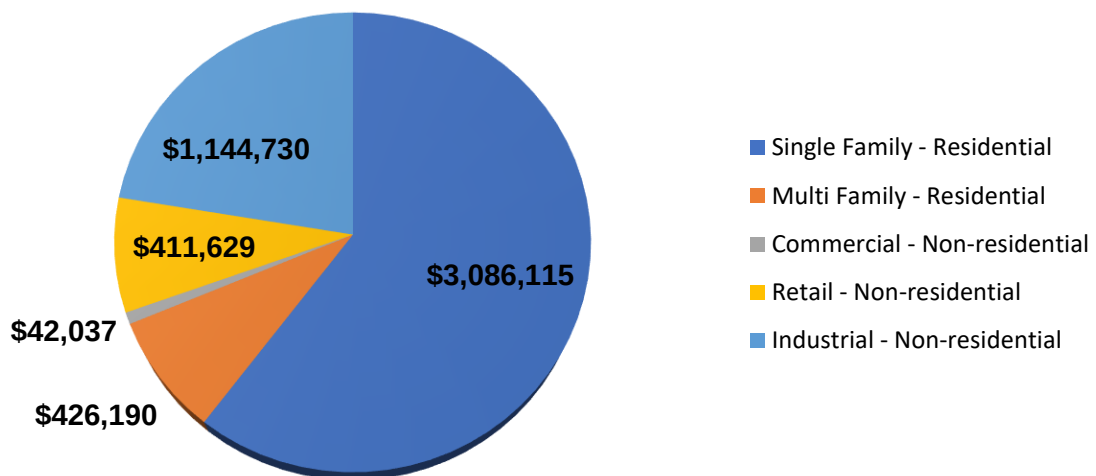
TUMF Program revenue summary

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September 2019 TUMF Revenues by Zone

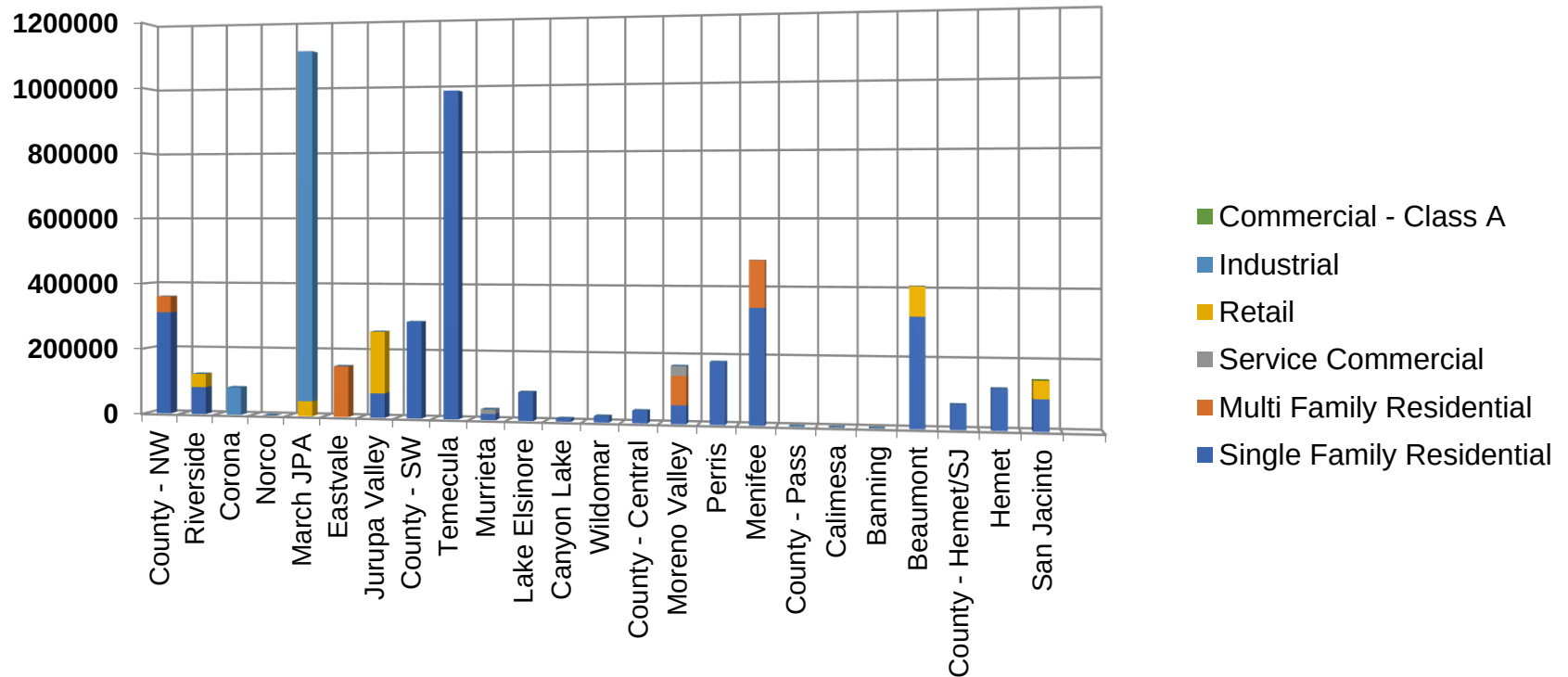


September 2019 TUMF revenues by land-use type



September 2019 TUMF Revenues by Jurisdiction

Total Revenue - \$5,110,701





Western Riverside Council of Governments

Public Works Committee

Staff Report

Subject: TUMF Construction Cost Index Adjustment Implementation Process

Contact: Ivana Medina, Staff Analyst, imedina@wrcog.us, (951) 405-6753

Date: December 12, 2019

The purpose of this item is to provide an update on the process to approve the Transportation Uniform Mitigation Fee (TUMF) Construction Cost Index (CCI) adjustment, as directed by WRCOG's Executive Committee.

Requested Action:

1. Receive and file.

WRCOG's TUMF Program is a regional fee program designed to provide transportation and transit infrastructure that mitigates the impact of new growth in Western Riverside County. The Construction Cost Index (CCI) is an increase in TUMF tied to increases in land, labor, and materials needed to implement transportation projects in the WRCOG subregion.

Background

At the November 4, 2019, Executive Committee meeting, staff presented a TUMF CCI adjustment for consideration. The Executive Committee approved the item and set the following fee levels:

As of July 1, 2020, the following fee levels will be in effect:

- Single-Family: \$9,478 per dwelling unit
- Multi-Family: \$6,389 per dwelling unit
- Retail: \$7.50 per square foot
- Service: \$4.75 per square foot
- Industrial: \$1.81 per square foot

As of January 1, 2021, the following fee levels will be in effect:

- Single-Family: \$9,810 per dwelling unit
- Multi-Family: \$6,389 per dwelling unit
- Retail: \$7.50 per square foot
- Service: \$4.75 per square foot
- Industrial: \$1.81 per square foot

Implementation Process

To implement these changes, each of WRCOG's member agencies will need to adopt a new TUMF Fee resolution. A copy of the updated fee resolution and template Staff Report are attached.

The process for adopting the resolution requires that the jurisdiction provide notice of the meeting at which the fee increase will be considered. If a group, such as the BIA, has previously requested written notice of any fee increases, staff asks that they receive a written notice. Staff would defer to each agency regarding the specific procedures related to resolution adoption.

Please note that WRCOG member agencies do not have to adopt a new TUMF Ordinance as the language of the Ordinance allows amendments to the Ordinance and updates to the fee resolutions. The updated fee resolution enacts new fees that take effect by July 1, 2020, so WRCOG's requests adoption of this resolution no later than May 2020.

Staff is available to attend any meetings regarding the resolution and would be available to present if needed regarding the overall TUMF Program or the CCI adjustment specifically. Please follow-up with Chris Gray at (951) 405-6710 or cgray@wrcog.us should you require any WRCOG staff to attend any meetings on this issue.

Prior Action:

November 4, 2019: The Executive Committee Approved the implementation of the adjusted TUMF CCI as of July 1, 2020, with the following fee amounts: a) Single-Family: \$9,478 per dwelling unit; b) Multi-Family: \$6,389 per dwelling unit; c) Retail: \$7.50 per square foot; d) Service: \$4.75 per square foot; e) Industrial: \$1.81 per square foot; 2) Approved the implementation of the adjusted TUMF CCI as of January 1, 2021, with the following fee amounts: a) Single-Family: \$9,810 per dwelling unit; b) Multi-Family: \$6,389 per dwelling unit; c) Retail: \$7.50 per square foot; d) Service: \$4.75 per square foot; e) Industrial: \$1.81 per square foot;

Fiscal Impact:

Adoption of a CCI adjustment would generate the TUMF Program revenues by approximately 5% in the 2020/2021 Fiscal Year.

Attachments:

1. Updated TUMF Fee Resolution.
2. Template Staff Report for Adoption.

Item 8.A

TUMF Construction Cost Index
Adjustment Implementation Process

Attachment 1

Updated TUMF Fee Resolution

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RESOLUTION NO. _____

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF [INSERT CITY NAME]
AMENDING THE APPLICABLE TRANSPORTATION UNIFORM MITIGATION FEE (TUMF)
APPLICABLE TO ALL DEVELOPMENTS IN THE [INSERT CITY NAME]**

WHEREAS, the [INSERT CITY NAME] ("City") is a member agency of the Western Riverside Council of Governments ("WRCOG"), a joint powers agency comprised of the County of Riverside and eighteen cities located in Western Riverside County; and

WHEREAS, the member agencies of WRCOG recognized that there was insufficient funding to address the impacts of new development on the regional system of highways and arterials in Western Riverside County (the "Regional System"); and

WHEREAS, in order to address this shortfall, the member agencies formulated a plan whereby a transportation mitigation fee would be assessed on new development and would be used to fund the necessary improvements for the Regional System; and

WHEREAS, WRCOG, with the assistance of TUMF Program participating jurisdictions, has prepared an updated Nexus Study entitled "Transportation Uniform Mitigation Fee Nexus Study: 2016 Update" ("2016 Nexus Study") pursuant to California Government Code sections 66000 et seq. (the Mitigation Fee Act), for the purpose of updating the fees. On July 10, 2017, the WRCOG Executive Committee reviewed the 2016 Nexus Study and TUMF Program and recommended TUMF participating jurisdictions amend their applicable TUMF ordinances to reflect changes in the TUMF network and the cost of construction in order to update the TUMF Program; and

WHEREAS, consistent with its previous findings made in the adoption of Ordinance No. _____, the City Council has been informed and advised, and hereby finds, that if the capacity of the Regional System is not enlarged and unless development contributes to the cost of improving the Regional System, the result will be substantial traffic congestion in all parts of Western Riverside County, with unacceptable Levels of Service. Furthermore, the failure to mitigate growing traffic impacts on the Regional System will substantially impair the ability of public safety services (police and fire) to respond and, thus, adversely affect the public health, safety and welfare. Therefore, continuation of a TUMF Program is essential; and

WHEREAS, the City Council finds and determines that there is a reasonable and rational relationship between the use of the TUMF and the type of development projects on which the fees are imposed because the fees will be used to construct the transportation improvements that are necessary for the safety, health, and welfare of the residential and non-residential users of the development in which the TUMF will be levied; and

WHEREAS, the City Council finds and determines that there is a reasonable and rational relationship between the need for the improvements to the Regional System and the type of development projects on which the TUMF is imposed because it will be necessary for the residential and non-residential users of such projects to have access to the Regional system. Such development will benefit from the Regional System improvements and the burden of such developments will be mitigated in part by payment of the TUMF; and

WHEREAS, the City Council finds and determines that the cost estimates set forth in the

new 2016 Nexus Study are reasonable cost estimates for constructing the Regional System improvements and the facilities that compromise the Regional System, and that the amount of the TUMF expected to be generated by new development will not exceed the total fair share cost to such development; and

WHEREAS, the fees collected pursuant to the TUMF Ordinance shall be used to help pay for the design, planning, construction of and real property acquisition for the Regional System improvements and its facilities as identified in the 2016 Nexus Study. The need for the improvements and facilities is related to new development because such development results in additional traffic and creates the demand for the improvements;

WHEREAS, by notice duly given and published, the City Council set the time and place for a public hearing on the 2016 Nexus Study and the fees proposed thereunder and at least ten (10) days prior to this hearing, the City Council made the 2016 Nexus Study available to the public; and

WHEREAS, at the time and place set for the hearing, the City Council duly considered data and information provided by the public relative to the cost of the improvements and facilities for which the fees are proposed and all other comments, whether written or oral, submitted prior to the conclusion of the hearing; and

WHEREAS, section [SECTION 4.C. OF MODEL ORDINANCE] of the TUMF Ordinance authorizes periodic review and adjustment to the applicable TUMF in accordance with any adjustments made by the WRCOG Executive Committee; and

WHEREAS, the fees collected pursuant to this Resolution shall be used to finance the public facilities described or identified in the Nexus Study; and

WHEREAS, the levying of TUMF has been reviewed by the City Council and staff in accordance with the California Environmental Quality Act ("CEQA") and the CEQA Guidelines and it has been determined that the adoption of this ordinance is exempt from CEQA pursuant to Section 15061(b)(3) of the CEQA Guidelines.

NOW, THEREFORE, the City Council of [INSERT CITY NAME] does resolve as follows:

SECTION 1. Findings. The recitals set forth above are hereby adopted as findings in support of this Resolution. In addition, the City Council re-adopts the findings contained in Section [INSERT SECTION 2 OF CITY ORDINANCE] in support of the adjusted TUMF contained herein.

SECTION 2. TUMF Schedule. In accordance with Section [SECTION 4.C. OF MODEL ORDINANCE] of the TUMF Ordinance, there is hereby adopted the following fee schedule for the TUMF which replaces the fee schedule set forth in Sections 2 and 3 of Resolution No. ___ in its entirety as of [DATE], provided that the fee for retail commercial projects shall go into effect upon the Effective Date set forth in Section 4, below:

A. There is hereby adopted the following TUMF schedule:

- (1) \$9,146.00 per single-family residential unit
- (2) \$6,134.00 per multi-family residential unit
- (3) \$1.77 per square foot of an industrial project

- (4) \$7.50 per square foot of a retail commercial project
- (5) \$4.56 per square foot of a service commercial project
- (6) \$2.19 per square foot of a service Class A and B Office

B. For single-family residential, multi-family residential, and retail non-residential projects, the fees set forth in Section 2.A. shall be phased in as follows:

From July 1, 2020, to June 30, 2020, the fee schedule shall be as follows:

- (1) \$9,478.00 per single family residential unit
- (2) \$6,389.00 per multi-family residential unit
- (3) \$1.81 per square foot of an industrial project
- (4) \$7.50 per square foot of a retail commercial project
- (5) \$4.75 per square foot of a service commercial project
- (6) \$2.38 per square foot of a service Class A and B Office

From July 1, 2021, to June 30, 2021, the fee schedule shall be as follows:

- (1) \$9,810.00 per single family residential unit
- (2) \$6,389.00 per multi-family residential unit
- (3) \$1.781 per square foot of an industrial project
- (4) \$7.50 per square foot of a retail commercial project
- (5) \$4.75 per square foot of a service commercial project
- (6) \$2.38 per square foot of a service Class A and B Office

SECTION 3. CEQA Findings. The City Council hereby finds that in accordance with the California Environmental Quality Act ("CEQA") and the CEQA Guidelines the adoption of this Resolution is exempt from CEQA pursuant to Section 15061(b)(3).

SECTION 4. Effective Date. This Resolution shall become on XXXXXXXX.

ADOPTED this _____ day of _____ 2020.

By: _____
Mayor, City of [INSERT CITY NAME]

ATTEST:

[NAME OF CITY CLERK]
CITY CLERK

By: _____

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Item 8.A

TUMF Construction Cost Index
Adjustment Implementation Process

Attachment 2

Template Staff Report for Adoption

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STAFF REPORT TEMPLATE

TO: CITY COUNCIL / BOARD OF SUPERVISORS

FROM: CITY MANAGER / DIRECTOR OF PUBLIC WORKS / DIRECTOR OF
TRANSPORTATION & LAND MANAGEMENT

SUBJECT: PROPOSED ORDINANCE TO UPDATE PARTICIPATION IN THE TUMF
PROGRAM; RESOLUTION ADOPTING A TUMF SCHEDULE.

DATED: _____, 2020

BACKGROUND:

The City / County is a Member Jurisdiction of the Western Riverside Council of Governments ("WRCOG"), a joint powers agency comprised of the County of Riverside and eighteen (18) cities located in Western Riverside County. Acting in concert, in 2002-2003, WRCOG member jurisdictions developed a plan whereby the shortfall in funds needed to enlarge the capacity of the Regional System of Highways and Arterials due to new development in Western Riverside County could be made up in part by a Transportation Uniform Mitigation Fee ("TUMF") on future residential, commercial, and industrial development. As a member jurisdiction of WRCOG and as a TUMF participating jurisdiction, the City / County participated in the preparation of a certain "Western Riverside County Transportation Uniform Fee Nexus Study," ("2002 Nexus Study") later adopted by the WRCOG Executive Committee. Based on the 2002 Nexus Study, the City / County adopted and implemented an ordinance authorizing the City's participation in a TUMF Program.

Pursuant to the Mitigation Fee Act (Gov. Code §§ 66000 *et seq.*), WRCOG has prepared a new Nexus Study ("2016 Nexus Study") to update the fees. On July 10, 2017, the WRCOG Executive Committee reviewed the 2016 Nexus Study and recommended TUMF participating jurisdictions update their fees by amending their applicable TUMF Ordinances to reflect changes in the TUMF Network and the cost of construction.

DISCUSSION:

The proposed Ordinance provides the legal basis for a revised TUMF schedule. The actual TUMF schedule will be established through the Resolution.

In accordance with the Mitigation Fee Act, the proposed Ordinance and 2016 Nexus Study: (i) identify the purpose of the revised fees; (ii) identify the use to which the revised fees is to be put, including identification of any facilities to be financed; (iii) determine how there is a reasonable relationship between the fee's use and the type of development project on which the fee is imposed; (iv) determine how there is a reasonable relationship between the need for the public facilities and the type of development project upon which the fees are imposed; and (v) determine how there is a reasonable relationship between the amount of the fees and the cost of the public facilities or portion or the public facility attributable to the development on which the fees are imposed.

The resolution will establishes the Fee Schedule for TUMF as follows:

A. There is hereby adopted the following TUMF schedule:

- (1) \$9,146.00 per single family residential unit
- (2) \$6,134.00 per multi-family residential unit
- (3) \$1.77 per square foot of an industrial project
- (4) \$7.50 per square foot of a retail commercial project
- (5) \$4.56 per square foot of a service commercial project
- (6) \$2.19 per square foot of a service Class A and B Office

B. For single-family residential, multi-family residential and retail non-residential projects, the fees set shall be phased in as follows:

From July 1, 2020 to June 30, 2020, the fee schedule shall be as follows:

- (1) \$9,478.00 per single family residential unit
- (2) \$6,389.00 per multi-family residential unit
- (3) \$1.81 per square foot of an industrial project
- (4) \$7.50 per square foot of a retail commercial project
- (5) \$4.75 per square foot of a service commercial project
- (6) \$2.38 per square foot of a service Class A and B Office

From July 1, 2021 to June 30, 2021, the fee schedule shall be as follows:

- (1) \$9,810.00 per single family residential unit
- (2) \$6,389.00 per multi-family residential unit
- (3) \$1.781 per square foot of an industrial project
- (4) \$7.50 per square foot of a retail commercial project
- (5) \$4.75 per square foot of a service commercial project
- (6) \$2.38 per square foot of a service Class A and B Office

RECOMMENDATION:

Staff recommends:

- (1) Adoption of the attached Ordinance No. _____, amending and updating the City's TUMF Ordinance; and
- (2) Adoption of the attached Resolution No. _____, adopting a TUMF schedule.



Western Riverside Council of Governments

Public Works Committee

Staff Report

Subject: TUMF Zone Revenue Forecasts

Contact: Ivana Medina, Staff Analyst, imedina@wrcog.us, (951) 405-6753

Date: December 12, 2019

The purpose of this item is to provide an update on recent revenue forecasts developed by WRCOG for use in upcoming Transportation Improvement Plan (TIP) updates for each of the WRCOG TUMF Zones .

Requested Action:

1. Discuss and provide input regarding revenue forecasts for upcoming Transportation Improvement Plan Updates in Fiscal Year 2019/2020.

WRCOG's TUMF Program is a regional fee program designed to provide transportation and transit infrastructure that mitigates the impact of new growth in Western Riverside County. WRCOG annually updates revenue forecasts to determine the amount of available funding for each TUMF Zone to allocate over the next five years.

Background

WRCOG allocates TUMF funding to its member agencies using the Zone TIP process. Each Zone TIP is updated annually, and reflects both revenues and expenditures for each of the five TUMF Zones. Revenues are determined by WRCOG and reflect historical collections within each of the Zones. Revenues are usually based on the average of previous years, generally a 3-year or 5-year period. TUMF expenditures reflect member agency requests.

Revenue Forecasts

WRCOG reviewed a variety of approaches to calculate future revenues available for programming by the Zones during this Fiscal Year. These approaches include:

- Using Fiscal Year 2018/2019 as the basis for the forecast
- Using a 5-year average
- Using a 3-year average
- Manually adjusting the 5-year average

The historical policy of WRCOG has been to use a 5-year average and then apply a 1% growth factor to reflect limited growth in each of the years in the TIP. This approach reflects what is essentially flat revenue for each of the years based on historical performance. Staff would note that this approach tends to understate available revenue during periods of time when there is significant economic growth.

During the last TIP update, staff used the 5-year average as the basis for the revenue forecasts but adjusted Northwest, Central, and Pass Zones upwards to reflect recent growth. In the case of the Pass Zone, the adjustment also reflected the City of Beaumont rejoining the TUMF Program.

The table below provides the revenue forecasts for each Zone using the various methods described above. These figures represent annual revenue for the Zone, which reflect the deduction for RCTC, RTA, WRCOG, and RCHCA.

	Fiscal Year 2018/2019	5-Year Historical Average	3-Year Historical Average	2018/2019 TIPS
Northwest Zone	\$ 11,500,000	\$ 9,200,000	\$ 10,000,000	\$ 11,100,000
Southwest Zone	\$ 6,400,000	\$ 5,400,000	\$ 5,800,000	\$ 5,600,000
Central Zone	\$ 7,900,000	\$ 5,700,000	\$ 6,300,000	\$ 6,800,000
Pass Zone	\$ 1,400,000	\$ 500,000	\$ 700,000	\$ 1,000,000
Hemet/San Jacinto Zone	\$ 2,000,000	\$ 1,400,000	\$ 1,600,000	\$ 1,400,000
Total	\$ 29,100,000	\$ 22,200,000	\$ 24,500,000	\$ 24,500,000

As shown above, the revenue forecast used in the 2018/2019 TIPS reflects increased revenue and assumes that the next 5-years will have revenue generation that is generally higher than the 5-year average, similar to the 3-year average, but less than the previous fiscal year, which was one of the highest collection years in the last decade.

Based on the most recent data, staff recommends using the following revenue forecasts for any Fiscal Year 2019/2020 TIP updates.

	2019/2020 Revenue Recommendation
Northwest Zone	\$ 11,000,000
Southwest Zone	\$ 5,500,000
Central Zone	\$ 7,000,000
Pass Zone	\$ 1,000,000
Hemet/San Jacinto Zone	\$ 1,500,000
Total	\$ 26,000,000

Prior Action:

October 10, 2019: The Public Works Committee received and filed.

Fiscal Impact:

Increasing the TUMF Zone Revenue forecasts would increase the amount of funding available by WRCOG member agencies to fund additional projects in each Zone TIP.

Attachment:

None.



Western Riverside Council of Governments

Public Works Committee

Staff Report

Subject: Resilient IE Activities Update

Contact: Chris Gray, Director of Transportation & Planning, cgray@wrcog.us, (951) 405-6710

Date: December 12, 2019

The purpose of this item is to provide an update on the Caltrans grant-funded Regional Climate Adaptation Toolkit project, Resilient IE.

Requested Action:

1. Receive and file.

Background

In 2018, Caltrans awarded WRCOG and its sub-applicant, the San Bernardino County Transportation Commission (SBCTA), an Adaptation Planning Grant through Senate Bill 1 (the Road Repair and Accountability Act) to develop a toolkit to support regional efforts preparing for and mitigating risks associated with climate adaptation and transportation infrastructure. Caltrans awarded WRCOG and SBCTA a total of \$683,431 for the project which includes the following components:

1. Establishment of a regional climate collaborative;
2. A revision to WRCOG's community vulnerability assessment (VA) and a new VA for SBCTA;
3. City-level, climate-related transportation hazards and evacuation maps;
4. A climate resilient transportation infrastructure guidebook; and
5. A regional climate adaptation and resiliency template general plan element.

Resilient IE Deliverables Update

The following is a description of the specific products included under Resilient IE and an update on each.

1. **Regional Climate Collaborative:** The project set out to establish a local branch of the Alliance of Regional Collaboratives for Climate Adaptation (ARCCA). ARCCA is a network of regional collaboratives across California that work together to advance climate adaptation statewide and increase local capacity to build community resilience. Through ARCCA, WRCOG and member agencies will be able to connect with peers across the region and state to exchange knowledge, engage in targeted problem-solving, and implement joint campaigns for climate resiliency, effectively breaking down silos across sectors and jurisdictions, with the express aim of increasing local efficiency and resiliency.

After clearing initial hurdles to gather sufficient interest through meetings with an organizing committee and regional surveys, the project team held a regional climate collaborative exploratory convening in August 2019 that was met with considerable enthusiasm, paving the way for the organizing efforts to move ahead. The project team then reconvened the organizing committee for a series of meetings in which it established the organizational structure and selected Climate Resolve, a Los Angeles-based nonprofit organization working to implement equitable solutions for resiliency, to administer the program. The project team is now

working to support the transition of bringing Climate Resolve fully onboard, recruit members, and launch the program in early 2020. The climate collaborative was initially envisioned to encompass Riverside and San Bernardino Counties only, but organizing committee members championed the inclusion of Imperial County as well, citing its alignment of vulnerabilities with the inland region and eastern Riverside County in particular.

2. Regional Vulnerability Assessments (VAs): In 2014, WRCOG released its Subregional Climate Action Plan, CAPtivate, including a Vulnerability Assessment (VA) and Adaptation and Resiliency Strategy, which together identified expected climate change effects and assets in the subregion that are vulnerable as well as opportunities and methods to mitigate identified vulnerabilities and increase resilience. As a component of Resilient IE, both documents have been updated to integrate the newest science and best practices and ensure consistency with the SBCTA documents developed by this project for the purposes of providing consistent and complementary work products for the other tasks included in the Project. VAs and accompanying resilience strategies for both regions underwent two phases of staff and stakeholder revision and are now complete and available on the project webpage.

As an extension of this effort, the project team is leading a pilot transportation infrastructure risk-based valuation, which will present an alternate approach to assessing vulnerability and risk, exploring the true cost of climate-related infrastructure outages through a risk-based assessment. The pilot is being spearheaded by SBCTA and includes two transportation assets, both in San Bernardino County: the Cajon Pass and I-15 near the Ontario Airport. The project team is utilizing the findings from the SBCTA VA as well as existing transportation analysis for the assets to inform the pilot. The pilot is anticipated to be completed in January 2020.

3. Transportation Hazards and Evacuation Maps: After preparing an initial draft network of evacuation routes for each jurisdiction and subsequent review by the Planning Directors and Public Works Committees and equivalent SBCTA committees in May 2019, the project team conducted a hazards analysis to identify potential climate-related evacuation network interruptions. The transportation hazards and evacuation maps have been compiled into a portfolio of city-level maps, as well as a web-based GIS map with hazard overlays (i.e. flood plains, extreme heat days, and wildfire burn areas) that can be used for a variety of climate adaptation and resiliency planning efforts, including insertion into local hazard mitigation plans, safety elements of the General Plan, or local adaptation plans / strategies. The finalized evacuation routes are available to view on the Resilient IE webpage.
4. Climate Resilient Transportation Infrastructure Guidebook: The Guidebook provides strategies for using green streets infrastructure, which aims to harness the efficacy of natural processes to mitigate identified risks and provide resiliency to climate change effects on the transportation system. For example, permeable pavement can be used to help reduce pavement temperatures by absorbing sunlight, mitigate the urban heat island effect, and slow flash flooding during flood and storm events.

The draft Guidebook was provided by the consultant team for review in early May 2019. Both WRCOG and SBCTA staff provided input on the draft and the consultant team revised the document accordingly through two rounds of editing. The project team conducted two Guidebook orientation and implementation workshops in August 2019 for WRCOG and SBCTA planning and public works staff where input was received from member agencies. The Guidebook was then finalized to incorporate the latest round of member agency feedback and is now available on the Resilient IE webpage.

5. Regional Climate Adaptation and Resiliency Template General Plan Element: The regional template climate adaptation and resiliency element will be a timely resource for jurisdictions to incorporate into their General Plans and/ or use in other policy documents to meet newly enacted requirements under Senate Bill (SB) 379, which mandates that the safety elements of General Plans must now include climate adaptation and resiliency strategies, or that these strategies must otherwise be included in local hazard mitigation plans. This template element will build on work previously conducted in WRCOG's CAPtivate, and will provide the necessary framework for jurisdictions to comply with SB 379 mandates.

In October and November 2019, the consultant team held a series of listening sessions with WRCOG and SBCTA member jurisdictions to identify specific issue areas and priorities to inform the regional customization of the template element. The consultant team is now synthesizing findings from the listening sessions and additional stakeholder interviews. The template element will be finalized in January 2020.

The latest project materials can found on the Resilient IE website at <http://www.wrcog.us/285/Resilient-IE>.

Next Steps

The project team will be working diligently to prepare for the launch of the climate collaborative, complete the pilot assessment, and produce a regionally tailored climate adaptation and resiliency template in the coming months. Per the grant requirements, Resilient IE will conclude by the end of February 2020.

Prior Action:

October 10, 2019: The Planning Directors Committee received and filed.

Fiscal Impact:

Caltrans is providing \$683,431 of an estimated total project cost of \$771,977. The grant monies will cover all consultant expenses and a portion of WRCOG staff expenses. WRCOG will contribute \$88,546 through in-kind (staff time) services to meet a required local match of 11.47% of the project whole. The staff time not covered by the grant will be covered through the Local Transportation Fund (LTF), and is programmed in the approved Fiscal Year 2019/2020 Agency budget.

Attachment:

None.

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Western Riverside Council of Governments

Public Works Committee

Staff Report

Subject: Request to Review RIVCOM Socio-Economic Data

Contact: Christopher Tzeng, Program Manager, ctzeng@wrcog.us, (951) 405-6711

Date: December 12, 2019

The purpose of this item is to request jurisdictions to review base-year roadway network data for the RIVCOM development.

Requested Action:

1. Receive and file.

Development of the Riverside County Transportation Analysis Model (RIVCOM) kicked-off in August 2018. The project team leading the development of this transportation model is WSP. Since the project kicked-off, the project team has finished defining the Traffic Analysis Zone (TAZ) structure for the model with input from the jurisdictions. The project team has since been developing the base-year model roadway network and trying to incorporate the appropriate socio-economic data (SED) from the Southern California Association of Governments (SCAG). The project team has finished a draft of the roadway network for the base-year conditions, 2018, and is requesting feedback from this Committee on its accuracy.

Roadway Network Review

The project team has worked to incorporate roadway classifications, number of lanes and speed limits into the model. Data was incorporated based on the previous model, the project team's experience working in the subregion and other data sources. Staff sent an email the week of December 2 with instructions on the data review. The data is split into two arrangements: 1. Roadway classifications, and 2. Number of lanes and speed limits.

1. Roadway classifications have been coded and uploaded onto the MapBook platform, and the link to the MapBook site was included in the email staff sent. Staff is requesting that any comments or changes be provided via a convenient method, e.g., email or Excel file.
2. The number of lanes and speed limits have been coded and provided in PDF form. The total number of lanes, the sum of the lanes in both directions, is color coded, while the posted speed is labeled on associated links. The PDFs were attached in the email staff sent. Staff is requesting that comments/changes be provided via a convenient method, e.g., email or Excel.

Staff is requesting that the review of the SED be completed by Friday, December 20, 2019. Please do not hesitate to contact Christopher Tzeng with any questions. WRCOG and the project team are available to walk-through the data via phone or Go-To Meeting.

Prior Action:

June 13, 2019: The Public Works Committee received and filed.

Fiscal Impact:

The RIVCOM is included in the Agency's adopted Fiscal Year 2018/2019 Budget under the Transportation Department.

Attachment:

None.



Western Riverside Council of Governments

Public Works Committee

Staff Report

Subject: Updated Traffic Impact Analysis Guidelines Template

Contact: Chris Gray, Director of Transportation & Planning, cgray@wrcog.us, (951) 405-6710

Date: December 12, 2019

The purpose of this item is to provide a brief update of the work that WRCOG will undertake to update Traffic Impact Analysis (TIA) Guidelines to ensure consistency with the requirements of implementing SB 743 and for jurisdictions to utilize as a template.

Requested Action:

1. Receive and file.

Most jurisdictions in the WRCOG subregion utilize the Riverside County Transportation Department TIA Preparation Guide as a basis for their traffic study guidelines, and the Preparation Guide utilizes Level of Services to measure transportation impacts. SB 743 changes how these impacts are measured under the California Environmental Quality Act (CEQA) from using vehicle Level of Service (LOS) to using Vehicle Miles Traveled (VMT). WRCOG is undertaking this update to the Preparation Guide in order to lessen the amount of work each jurisdiction must complete prior to July 1, 2020, which is when the legislation is to be implemented.

TIA Preparation Guide Update

The project team will be led by Fehr & Peers. Fehr & Peers completed the SB 743 Implementation Pathway Study that WRCOG conducted on behalf of the subregion. The work needed to update the Riverside County Transportation Department TIA Preparation Guide will be based on the implementation study. Since most jurisdictions' TIA guidelines are based off the Preparation Guide, it will be utilized as a template for efficiency purposes. The project team will prepare template TIA Guidelines that jurisdictions may utilize if so desired. The guidelines will focus on two main components: (1) VMT guidance consistent with information from the WRCOG SB 743 Implementation Pathway Study, and (2) updates to the LOS guidelines currently being utilized in the subregion.

The VMT guidelines will tier from the WRCOG study and will include "likely" VMT thresholds of significance that would be considered by each agency. The guidelines will reference the WRCOG screening tool that was developed for the SB 743 Implementation Pathway Study and will provide directions for model use of projects that are likely not screened out. Mitigation measures and methods for quantification will be identified.

The project team will update the County's current guidelines to meet state-of-the-practice analysis techniques for LOS assessment. It will be ensured that the guidelines are easy to adjust and revise for jurisdictions to utilize for their purposes. The existing language in the guidelines will also be modified to reference improvements required instead of historic CEQA terminology.

Lastly, the project team will place footnotes referencing text where local agencies may want to reference alternative thresholds. This would include VMT thresholds (in case a local agency chooses to adopt a guide

that differs from WRCOG's recommendations) and/or locations where a different LOS standard would be utilized based on a city's general plan policy.

The project team will communicate its findings and present the updated guidelines through the WRCOG standing committee meetings. It is anticipated that the updated guidelines will be ready by February 2020.

Prior Action:

None.

Fiscal Impact:

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

Attachment:

None.



Western Riverside Council of Governments

Public Works Committee

Staff Report

Subject: TUMF Nexus Study Input

Contact: Ivana Medina, Staff Analyst, imedina@wrcog.us, (951) 405-6753

Date: December 12, 2019

The purpose of this item is to distribute a survey for members to submit their feedback regarding goals for the next update to the Transportation Uniform Mitigation Fee (TUMF) Nexus Study.

Requested Action:

1. Receive and file.

WRCOG's TUMF Program is a regional fee program designed to provide transportation and transit infrastructure that mitigates the impact of new growth in Western Riverside County.

Nexus Study Principles & Goals

WRCOG anticipates that it will initiate a comprehensive update of the TUMF Nexus Study in the summer of 2020. The update process will follow the Southern California Association of Governments' (SCAG) update of the Regional Transportation Plan / Sustainable Communities Strategy (RTP/SCS) document since the TUMF Nexus Study will be using the same growth forecasts as the SCAG RTP/SCS for consistency purposes. This schedule is also consistent with previous direction from the WRCOG Executive Committee.

As part of this Nexus Study, staff will be soliciting input from member agencies regarding facilities to include in the TUMF Program, which is a key determinant in the overall Program cost and resulting fee levels. Prior to meeting with member agencies, staff believe it is advisable to first obtain direction on key principles, which will then be refined and adopted by the various WRCOG Committees prior to the formal beginning of the Nexus Study.

Survey

At its November 14, 2019, meeting, the Public Works Committee discussed five key issues to address in the next Nexus Study update. The five topics discussed were:

- Should TUMF continue to focus on higher value regional projects?
- Should TUMF provide a higher or lower level of funding for each individual project?
- How stringent should the process be for an agency to add a project to the TUMF Network?
- Should we evaluate using TUMF to mitigate VMT impacts?
- Should WRCOG implement an automatic Construction Cost Index (CCI) adjustment?

In an effort to gather all perspectives for the main topics discussed, staff created a survey for members to gather additional input. The survey can be accessed at <https://www.surveymonkey.com/r/TUMFNexus>.

Staff would also like committee feedback about project costs member agencies are observing in their jurisdiction, which will also help guide the direction and goals for the update of the Nexus. Staff will send out an email with an attachment for members to complete regarding projects costs in their jurisdictions.

Please fill out the table with project costs to help us better understand how TUMF funds are used.			
Project Name:			
Cost Category	Total Cost	Total TUMF Used	Other Funds Used
Planning/Environmental			
Design/Engineering			
Right-Of-Way			
Construction			

Prior Action:

November 14, 2019: The Public Works Committee received and filed.

Fiscal Impact:

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

Attachment:

None.