



AGENDA

LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM AUTHORITY

SPECIAL FINANCE COMMITTEE MEETING

Tuesday, April 1, 2014 • 1:00 p.m.

LA County Sheriff's Department Headquarters, Media Conference Room
4700 W. Ramona Blvd., Monterey Park, CA 91754

AGENDA POSTED: March 28, 2014

Complete agendas are made available for review on the Authority's website at <http://www.la-rics.org>.

- I. **CALL TO ORDER**
- II. **ANNOUNCE QUORUM – Roll Call**
- III. **REPORTS**
- IV. **NEW BUSINESS**
- V. **OLD BUSINESS**
 - 1. ACTION ITEM: Review and make recommendations on the LA-RICS Cash Flow Allocation.
- VI. **PUBLIC COMMENT**
- VII. **ADJOURNMENT AND NEXT MEETING**
 - TBD



Members of the public are invited to address the LA-RICS FINANCE COMMITTEE on any item on the agenda prior to action by the FINANCE COMMITTEE on that specific item. Members of the public may also address the FINANCE COMMITTEE on any matter within the subject matter jurisdiction of the FINANCE COMMITTEE. The FINANCE COMMITTEE will entertain such comments during the Public Comment period. Public Comment will be limited to three (3) minutes per individual for each item addressed, unless there are more than ten (10) comment cards for each item, in which case the Public Comment will be limited to one (1) minute per individual. The aforementioned limitation may be waived by the FINANCE COMMITTEE's Chair.

(NOTE: Pursuant to Government Code Section 54954.3(b) the legislative body of a local agency may adopt reasonable regulations, including, but not limited to, regulations limiting the total amount of time allocated for public testimony on particular issues and for each individual speaker.)

Members of the public who wish to address the FINANCE COMMITTEE are urged to complete a Speaker Card and submit it to the FINANCE COMMITTEE Secretary prior to commencement of the public meeting. The cards are available in the meeting room. However, should a member of the public feel the need to address a matter while the meeting is in progress, a card may be submitted to the FINANCE COMMITTEE Secretary prior to final consideration of the matter.

It is requested that individuals who require the services of a translator contact the FINANCE COMMITTEE Secretary no later than the day preceding the meeting. Whenever possible, a translator will be provided. Sign language interpreters, assistive listening devices, or other auxiliary aids and/or services may be provided upon request. To ensure availability, you are advised to make your request at least 72 hours prior to the meeting you wish to attend. (323) 881-8291 or (323) 881-8295

SI REQUIERE SERVICIOS DE TRADUCCION, FAVOR DE NOTIFICAR LA OFICINA CON 24 HORAS POR ANTICIPADO.



MEMO

To: Pat Mallon
LA RICS

From: Phil Carter
Aaron Pfannenstiel

Cc:

Date: March 26, 2013

Re: LA RICS Cash Flow Allocation

Components of LMR cost include contract system maintenance costs (Phase 5) totaling approximately \$56 million for the full 15-year contract period.¹ In addition to the contract system maintenance cost, an infrastructure component is included to account for replacement and technological upgrade and/or obsolescence. This infrastructure component, or capital replacement, is called the “life cycle cost.” A life cycle cost estimate for replacement of LMR infrastructure is approximately \$55 million as determined by the LA-RICS engineering consultant. Payments by members for capital replacement costs are spread evenly over a 15-year period. An amount for Authority administration costs is estimated to be \$1.3 million annually.

The annualized cost allocation for the LA-RICS LMR system is summarized in Table I.

Table I – LMR Cost Components			
System	Cost Component	Annual Cost	Total
LMR	Operations & Maintenance	\$3,726,600	\$9,824,800
	Capital Replacement	\$4,806,800	
	Administrative	\$1,291,400	

Similar to the preferred LTE funding methodology, LA-RICS has identified the potential to defer some of the costs associated with the LMR system. Based on the contract currently executed for the LMR system, the first year of system operation would not incur costs for operations & maintenance. As a result, the first year of system operation would only require payment of administrative costs. Years 2 and 3 would include administrative and operations & maintenance costs, which would amount to approximately \$5 million annually. By Year 4, the full annualized cost for the LMR system would include capital replacement and total approximately \$9.8 million. Under this scenario, approximately \$18,147,000 in cost would be deferred in the first three years of system operation in an effort to allow

¹ Exhibit C.6 – Schedule of Payments LMR System Maintenance – LA-RICS LMR Agreement with Motorola. The payments vary from year to year, beginning at \$4 million in year 1 and reducing to \$3.6 million by year 15.

JPA members that have existing radio systems to use their systems through their expected utilization period. By deferring some of the initial costs, it is hoped that JPA members will have an easier time justifying continued membership in the JPA and continue to realize the benefits of joining the LMR and LTE systems when their existing systems have reached the end of their life expectancy. Subsequent to Year 4, any JPA member agencies joining the system would be required to pay a catch-up contribution for the years that capital replacement costs have been collected. The purpose of this contribution is to ensure that capital replacement costs have been shared by all JPA members in an equitable manner. To do so, it is assumed that each agency's capital replacement cost will be required to ensure adequate funding is available to purchase equipment and construct additional infrastructure once the need for system refresh arises. Payment of these catch-up contribution costs could be paid in a lump sum or annualized over the remaining 15-year time period assumed in the funding plan. This means that an agency joining in Year 6 would pay capital replacement costs for Years 6 through 15 and catch-up contributions for Years 4 and 5. Table 2 identifies the cost breakdown based on deferment of both operations & maintenance and capital replacement costs.

Table 2 – LMR Cash Flow Allocation						
Cost Component	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Administrative	X	X	X	X	X	X
Operations & Maintenance		X	X	X	X	X
Capital Replacement*				X	X	X
Catch-Up Contribution**					X	X
Annual Cost	\$1,291,400	\$5,018,000	\$5,018,000	\$9,824,800	\$9,824,800	\$9,824,800

*Capital replacement costs assume that all JPA member agencies contribute their allocated cost based on the funding plan methodology.

** Catch-up contribution will be incorporated for member agencies joining in Year 5 or beyond. This contribution will be the fair-share allocation for any years prior to the year in which the agency joins. This amount can be annualized over the remaining duration of the 15-year period or paid in one lump sum.

Administrative Cost Breakdown - Baseline Scenario								
Baseline Administration (A - 20% based on population)							\$516,560	
LMR Administration (B - 40% based on LMR factors)							\$1,033,120	
LTE Administration (C - 40% based on LTE factors)							\$1,033,120	
Total Administrative Cost (A+B+C)							\$2,582,800	
RICS Member Agency	Population	%	A	LMR Factor	B	LTE Factor	C	LA RICS Total
City of Agoura Hills	20,413	0.20%	\$1,028	0.000%	\$0	0.000%	\$0	\$1,028
City of Alhambra	83,661	0.82%	\$4,214	0.673%	\$6,951	0.686%	\$7,082	\$18,247
City of Arcadia	56,546	0.55%	\$2,848	0.549%	\$5,670	0.538%	\$5,558	\$14,076
City of Artesia	16,594	0.16%	\$836	0.000%	\$0	0.000%	\$0	\$836
City of Avalon	3,780	0.04%	\$190	0.018%	\$185	0.016%	\$165	\$541
City of Azusa	46,618	0.45%	\$2,348	0.230%	\$2,378	0.265%	\$2,738	\$7,463
City of Baldwin Park	75,830	0.74%	\$3,819	0.374%	\$3,867	0.431%	\$4,453	\$12,140
City of Bell	35,477	0.35%	\$1,787	0.175%	\$1,809	0.202%	\$2,084	\$5,680
City of Bell Gardens	42,231	0.41%	\$2,127	0.146%	\$1,513	0.167%	\$1,720	\$5,360
City of Bellflower	76,907	0.75%	\$3,873	0.000%	\$0	0.000%	\$0	\$3,873
City of Beverly Hills	34,291	0.33%	\$1,727	0.765%	\$7,899	1.679%	\$17,349	\$26,975
City of Bradbury	1,065	0.01%	\$54	0.000%	\$0	0.000%	\$0	\$54
City of Burbank	104,427	1.02%	\$5,260	1.724%	\$17,812	1.477%	\$15,258	\$38,330
City of Calabasas	23,683	0.23%	\$1,193	0.000%	\$0	0.000%	\$0	\$1,193
City of Carson	91,828	0.90%	\$4,625	0.036%	\$377	0.037%	\$381	\$5,382
City of Cerritos	49,223	0.48%	\$2,479	0.000%	\$0	0.000%	\$0	\$2,479
City of Claremont	35,300	0.34%	\$1,778	0.268%	\$2,765	0.403%	\$4,161	\$8,704
City of Commerce	12,871	0.13%	\$648	0.147%	\$1,514	0.320%	\$3,309	\$5,472
City of Compton	97,058	0.95%	\$4,888	0.233%	\$2,404	0.206%	\$2,124	\$9,417
City of Covina	48,038	0.47%	\$2,419	0.398%	\$4,115	0.109%	\$1,129	\$7,663
City of Culver City	39,004	0.38%	\$1,964	0.972%	\$10,045	0.448%	\$4,624	\$16,633
City of Downey	112,201	1.09%	\$5,651	0.781%	\$8,071	1.042%	\$10,760	\$24,482
City of Duarte	21,411	0.21%	\$1,078	0.052%	\$538	0.120%	\$1,241	\$2,857
City of El Monte	113,912	1.11%	\$5,737	0.478%	\$4,935	0.276%	\$2,852	\$13,523
City of El Segundo	16,720	0.16%	\$842	0.162%	\$1,677	0.159%	\$1,643	\$4,162
City of Gardena	59,124	0.58%	\$2,978	0.731%	\$7,556	0.738%	\$7,623	\$18,157

RICS Member Agency	Population	%	A	LMR Factor	B	LTE Factor	C	LA RICS Total
City of Glendale	192,654	1.88%	\$9,703	2.347%	\$24,248	3.448%	\$35,622	\$69,573
City of Glendora	50,361	0.49%	\$2,536	0.249%	\$2,568	0.286%	\$2,958	\$8,063
City of Hawaiian Gardens	14,303	0.14%	\$720	0.000%	\$0	0.000%	\$0	\$720
City of Hawthorne	85,047	0.83%	\$4,283	0.420%	\$4,337	0.483%	\$4,995	\$13,616
City of Hermosa Beach	19,574	0.19%	\$986	0.235%	\$2,425	0.174%	\$1,801	\$5,211
City of Hidden Hills	1,869	0.02%	\$94	0.000%	\$0	0.000%	\$0	\$94
City of Huntington Park	58,329	0.57%	\$2,938	0.339%	\$3,500	0.380%	\$3,921	\$10,359
City of Industry	436	0.00%	\$22	0.000%	\$0	0.000%	\$0	\$22
City of Inglewood	110,623	1.08%	\$5,572	0.643%	\$6,644	0.108%	\$1,114	\$13,330
City of Irwindale	1,416	0.01%	\$71	0.007%	\$72	0.008%	\$83	\$227
City of La Canada Flintridge	20,335	0.20%	\$1,024	0.001%	\$12	0.007%	\$67	\$1,104
City of La Habra Heights	5,352	0.05%	\$270	0.010%	\$108	0.011%	\$117	\$495
City of La Mirada	48,697	0.47%	\$2,453	0.000%	\$0	0.000%	\$0	\$2,453
City of La Puente	39,987	0.39%	\$2,014	0.000%	\$0	0.000%	\$0	\$2,014
City of La Verne	31,461	0.31%	\$1,585	0.238%	\$2,455	0.061%	\$634	\$4,673
City of Lakewood	80,378	0.78%	\$4,048	0.000%	\$0	0.000%	\$0	\$4,048
City of Lancaster	157,826	1.54%	\$7,949	0.000%	\$0	0.000%	\$0	\$7,949
City of Lawndale	32,887	0.32%	\$1,656	0.000%	\$0	0.000%	\$0	\$1,656
City of Long Beach	464,662	4.53%	\$23,403	6.605%	\$68,233	3.815%	\$39,413	\$131,049
City of Los Angeles	3,825,297	37.30%	\$192,665	30.753%	\$317,717	45.913%	\$474,341	\$984,722
City of Lynwood	69,897	0.68%	\$3,520	0.000%	\$0	0.000%	\$0	\$3,520
City of Manhattan Beach	35,239	0.34%	\$1,775	0.378%	\$3,904	1.611%	\$16,641	\$22,319
City of Maywood	27,472	0.27%	\$1,384	0.000%	\$0	0.000%	\$0	\$1,384
City of Monrovia	36,727	0.36%	\$1,850	0.477%	\$4,923	0.639%	\$6,597	\$13,370
City of Montebello	62,857	0.61%	\$3,166	0.610%	\$6,303	0.598%	\$6,178	\$15,647
City of Monterey Park	61,153	0.60%	\$3,080	0.226%	\$2,335	0.307%	\$3,176	\$8,591
City of Norwalk	105,714	1.03%	\$5,324	0.000%	\$0	0.000%	\$0	\$5,324
City of Palmdale	153,708	1.50%	\$7,742	0.000%	\$0	0.000%	\$0	\$7,742
City of Palos Verdes Estates	13,516	0.13%	\$681	0.067%	\$689	0.077%	\$794	\$2,164
City of Paramount	54,368	0.53%	\$2,738	0.000%	\$0	0.000%	\$0	\$2,738
City of Pasadena	139,222	1.36%	\$7,012	1.560%	\$16,116	0.583%	\$6,019	\$29,147
City of Pico Rivera	63,168	0.62%	\$3,182	0.000%	\$0	0.000%	\$0	\$3,182

RICS Member Agency	Population	%	A	LMR Factor	B	LTE Factor	C	LA RICS Total
City of Pomona	149,950	1.46%	\$7,552	0.771%	\$7,967	3.117%	\$32,197	\$47,717
City of Ranchos Palos Verdes	41,897	0.41%	\$2,110	0.000%	\$0	0.000%	\$0	\$2,110
City of Redondo Beach	67,007	0.65%	\$3,375	0.773%	\$7,990	0.406%	\$4,195	\$15,560
City of Rolling Hills Estates	8,097	0.08%	\$408	0.000%	\$0	0.000%	\$0	\$408
City of Rosemead	54,172	0.53%	\$2,728	0.000%	\$0	0.000%	\$0	\$2,728
City of San Dimas	33,499	0.33%	\$1,687	0.000%	\$0	0.000%	\$0	\$1,687
City of San Fernando	23,752	0.23%	\$1,196	0.117%	\$1,211	0.135%	\$1,395	\$3,803
City of San Gabriel	39,926	0.39%	\$2,011	0.651%	\$6,727	0.786%	\$8,125	\$16,863
City of San Marino	13,195	0.13%	\$665	0.161%	\$1,664	0.238%	\$2,454	\$4,783
City of Santa Clarita	177,445	1.73%	\$8,937	0.153%	\$1,584	0.848%	\$8,760	\$19,281
City of Santa Fe Springs	16,516	0.16%	\$832	0.243%	\$2,508	0.130%	\$1,341	\$4,681
City of Santa Monica	90,223	0.88%	\$4,544	2.125%	\$21,958	0.544%	\$5,623	\$32,125
City of Sierra Madre	10,963	0.11%	\$552	0.106%	\$1,099	0.104%	\$1,078	\$2,729
City of Signal Hill	11,129	0.11%	\$561	0.103%	\$1,064	0.087%	\$899	\$2,524
City of South El Monte	20,190	0.20%	\$1,017	0.011%	\$109	0.000%	\$0	\$1,126
City of South Gate	94,328	0.92%	\$4,751	0.434%	\$4,480	0.614%	\$6,347	\$15,578
City of South Pasadena	25,725	0.25%	\$1,296	0.250%	\$2,580	0.245%	\$2,528	\$6,404
City of Temple City	35,749	0.35%	\$1,801	0.000%	\$0	0.000%	\$0	\$1,801
City of Torrance	146,115	1.42%	\$7,359	2.002%	\$20,679	0.564%	\$5,823	\$33,861
City of Vernon	120	0.00%	\$6	0.248%	\$2,561	0.229%	\$2,364	\$4,930
City of Walnut	29,661	0.29%	\$1,494	0.000%	\$0	0.000%	\$0	\$1,494
City of West Covina	106,713	1.04%	\$5,375	1.036%	\$10,701	1.015%	\$10,489	\$26,564
City of Westlake Village	8,300	0.08%	\$418	0.000%	\$0	0.000%	\$0	\$418
City of Whittier	85,654	0.84%	\$4,314	0.415%	\$4,289	0.318%	\$3,290	\$11,893
County of Los Angeles	1,062,073	10.36%	\$53,492	33.449%	\$345,564	21.275%	\$219,793	\$618,849
Inglewood Unified School District	9,375	0.09%	\$472	0.046%	\$478	0.053%	\$551	\$1,501
Los Angeles Unified School District	480,000	4.68%	\$24,176	1.927%	\$19,908	1.345%	\$13,899	\$57,982
UCLA	31,622	0.31%	\$1,593	0.903%	\$9,330	0.121%	\$1,245	\$12,167
Total	10,256,144	100.00%	\$516,560	100.00%	\$1,033,120	100.00%	\$1,033,120	\$2,582,800

Cash Flow

The LA-RICS funding plan provides a projection of cash flow of project expenses based on construction milestones and system operability, and the impact on members' fees. The cash flow required for the LMR system backbone is developed for the time period of FY 2017/18 through FY 2031/32, a 15 year period. The cash flow is presented assuming participation by all JPA members from system implementation. Potential major funding sources for the LMR backbone include Los Angeles County, City of Los Angeles, Long Beach, and all other Independent Cities.

The cash flow required for the LTE system backbone is developed separately for the time period of FY 2015/16 through FY 2031/32, a 17 year period to match the end years with LMR. The cash flow is presented assuming participation by all JPA members from system implementation. Potential major funding sources for the LTE backbone include Los Angeles County, City of Los Angeles, Long Beach, and all other Independent Cities.

Cash flow is conducted for five system implementation scenarios including:

Scenario 1, Baseline

Scenario 2, Excluding LTE In-Kind Match

Scenario 3, Excluding LTE In-Kind Match and Capital Replacement

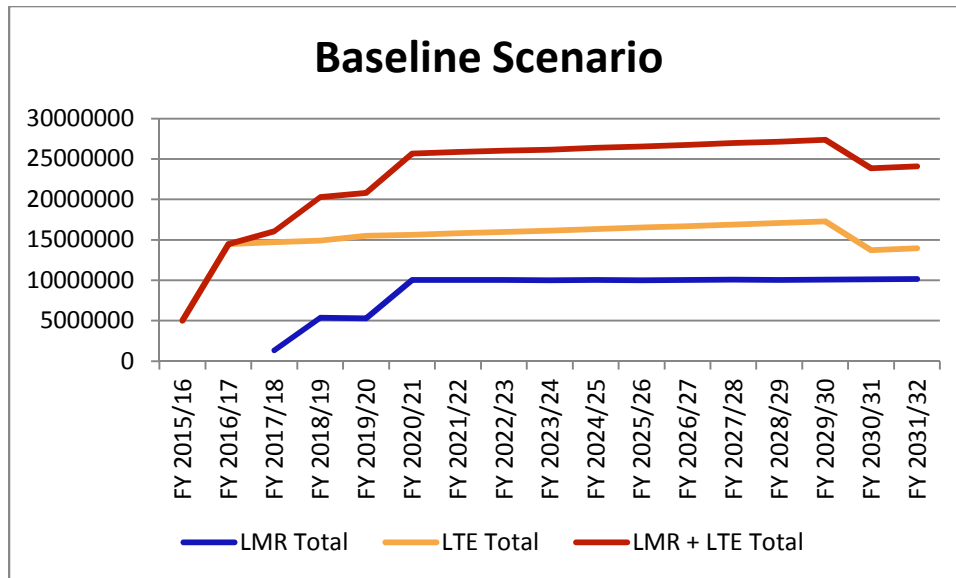
Scenario 8, Excluding LTE In-Kind Match and adding HSS Additive Alternate Maintenance

Scenario 12, Excluding LTE In-Kind Match and Capital Replacement and adding HHS and Redundant Evolved Packet Core Maintenance

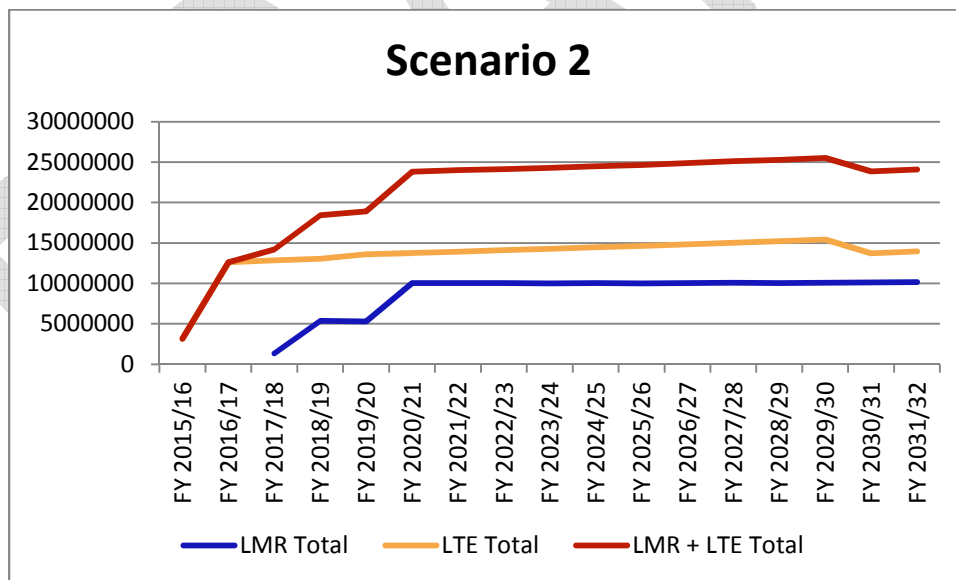
For each scenario, the LMR and LTE system costs are shown on an annual basis. Following these costs, the member fees on an annual basis are then provided. The total system costs are consistent with the funding plan model costs used for the cost allocation method. There is a slight deviation in the fee amounts for each member agency when comparing the cash flow against the annual cost figures shown separately in the funding plan model for a few reasons, one being that the cash flow shows the annual O&M cost estimates from the respective LMR and LTE PSBN contracts that vary up and down while the funding plan model reflects an average annual O&M of the total that is straightline, and another being the funding plan model uses rounded data. The annual O&M in the cash flow shows the variation over time depicting the phasing of the systems as described in the contracts.

Graphics below show the general trends in project expenditures for LMR and LTE for each scenario. As the assumption in the cash flow is that revenue equals cost, a single line each for LMR, LTE, and combined systems represents the trends. LTE costs begin in FY 2015/16 (1st year of period) while LMR costs do not begin until FY 2017/18 (3rd year of period). The trend either up or down for most of the period is due primarily to the O&M contract cost estimates. Towards the end of the cash flow period, the hard match payments for LTE conclude which reduces the LTE cost.

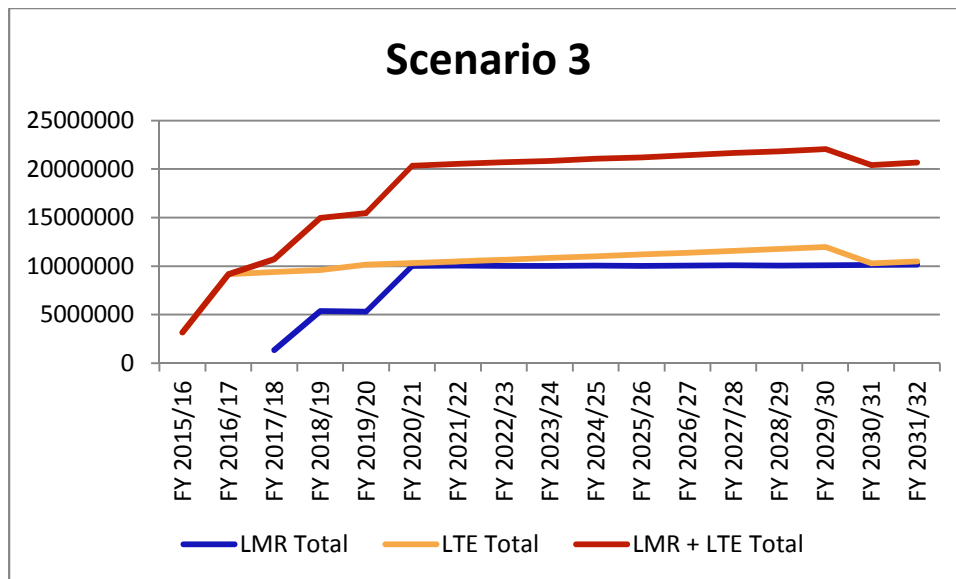
Scenario 1, Baseline



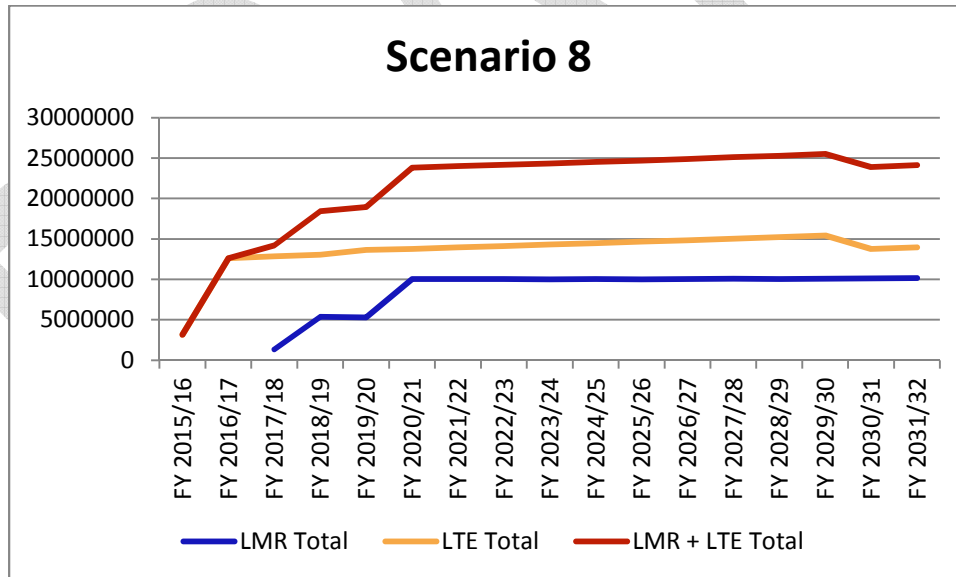
Scenario 2, Excluding LTE In-Kind Match



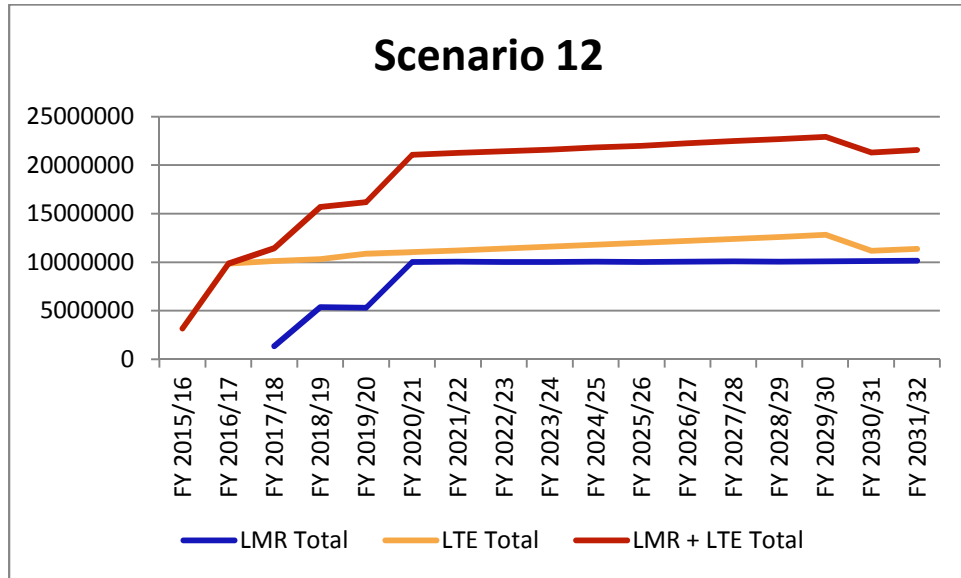
Scenario 3, Excluding LTE In-Kind Match and Capital Replacement



Scenario 8, Excluding LTE In-Kind Match and adding HSS Additive Alternate Maintenance



Scenario 12, Excluding LTE In-Kind Match and Capital Replacement and adding HHS and Redundant Evolved Packet Core Maintenance



LA-RICS
Cash Flow Estimates
March 2014

Annual Costs - Scenario 1, Baseline

	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	FY 2022/23	FY 2023/24
LMR									
Operations and Maintenance (from Phase 5 LMR Contract)				\$4,011,090	\$3,904,394	\$3,797,698	\$3,797,698	\$3,744,351	\$3,691,003
Capital Replacement						\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841
Administration			\$1,343,528	\$1,370,398	\$1,397,806	\$1,425,762	\$1,454,278	\$1,483,363	\$1,513,031
LMR Total			\$1,343,528	\$5,381,488	\$5,302,200	\$10,030,302	\$10,058,817	\$10,034,555	\$10,010,875
LTE									
Hard Match (from BTOP grant budget narrative)	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012
In-Kind (from BTOP grant budget narrative)	\$1,871,924	\$1,871,924	\$1,871,924	\$1,871,924	\$1,871,924	\$1,871,924	\$1,871,924	\$1,871,924	\$1,871,924
Operations and Maintenance (first 5 years from Phase 5 PSBN contract)		\$5,955,692	\$6,164,811	\$6,346,320	\$6,891,526	\$7,011,440	\$7,151,669	\$7,294,702	\$7,440,596
Capital Replacement		\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733
Administration	\$1,291,357	\$1,317,184	\$1,343,528	\$1,370,398	\$1,397,806	\$1,425,762	\$1,454,278	\$1,483,363	\$1,513,031
LTE Total	\$5,038,294	\$14,472,546	\$14,708,008	\$14,916,388	\$15,489,002	\$15,636,872	\$15,805,616	\$15,977,735	\$16,153,296
Total LMR+LTE	\$5,038,294	\$14,472,546	\$16,051,536	\$20,297,876	\$20,791,202	\$25,667,174	\$25,864,433	\$26,012,290	\$26,164,171

Interest Rates

Loan rate for hard match and in-kind	5.00%
Investment rate for capital replacement sinking fund	0.625%
LTE O&M inflation (after 5th year)	2%
Administration	2%

Note: LMR and LTE O&M based on respective contracts. In funding model, annual O&M is averaged using straight line method.

LA-RICS
Cash Flow Estimates
March 2014

Annual Costs - Scenario 1, Baseline

	FY 2024/25	FY 2025/26	FY 2026/27	FY 2027/28	FY 2028/29	FY 2029/30	FY 2030/31	FY 2031/32	Total
LMR									
Operations and Maintenance (from Phase 5 LMR Contract)	\$3,691,003	\$3,637,655	\$3,637,655	\$3,637,655	\$3,584,307	\$3,584,307	\$3,584,307	\$3,584,307	\$51,887,430
Capital Replacement	\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841	\$57,682,093
Administration	\$1,543,291	\$1,574,157	\$1,605,640	\$1,637,753	\$1,670,508	\$1,703,918	\$1,737,996	\$1,772,756	\$23,234,187
LMR Total	\$10,041,135	\$10,018,653	\$10,050,136	\$10,082,249	\$10,061,656	\$10,095,066	\$10,129,145	\$10,163,905	
LTE									
Hard Match (from BTOP grant budget narrative)	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$0	\$0	\$28,125,185
In-Kind (from BTOP grant budget narrative)	\$1,871,924	\$1,871,924	\$1,871,924	\$1,871,924	\$1,871,924	\$1,871,924	\$0	\$0	\$28,078,863
Operations and Maintenance (first 5 years from Phase 5 PSBN contract)	\$7,589,408	\$7,741,196	\$7,896,020	\$8,053,941	\$8,215,019	\$8,379,320	\$8,546,906	\$8,717,844	\$119,396,411
Capital Replacement	\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733	\$55,243,728
Administration	\$1,543,291	\$1,574,157	\$1,605,640	\$1,637,753	\$1,670,508	\$1,703,918	\$1,737,996	\$1,772,756	\$25,842,728
LTE Total	\$16,332,369	\$16,515,023	\$16,701,330	\$16,891,363	\$17,085,197	\$17,282,908	\$13,737,636	\$13,943,334	
Total LMR+LTE	\$26,373,504	\$26,533,676	\$26,751,466	\$26,973,612	\$27,146,853	\$27,377,974	\$23,866,780	\$24,107,238	

Interest Rates

Loan rate for hard match and in-kind	5.00%
Investment rate for capital replacement sinking fund	0.625%
LTE O&M inflation (after 5th year)	2%
Administration	2%

Note: LMR and LTE O&M based on respective contracts. In funding model, annual O&M is averaged using straight line method.

LA-RICS
Cash Flow Estimates
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Annual Member Fees - Scenario 1, Baseline

	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	FY 2022/23	FY 2023/24
City of Agoura Hills	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Alhambra	\$34,539	\$99,212	\$109,866	\$138,462	\$141,854	\$174,679	\$176,027	\$177,044	\$178,088
City of Arcadia	\$27,104	\$77,858	\$86,498	\$109,781	\$112,426	\$139,171	\$140,235	\$141,028	\$141,843
City of Artesia	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Avalon	\$807	\$2,318	\$2,597	\$3,353	\$3,431	\$4,302	\$4,334	\$4,357	\$4,381
City of Azusa	\$13,352	\$38,353	\$42,069	\$51,914	\$53,249	\$64,522	\$65,035	\$65,435	\$65,846
City of Baldwin Park	\$21,718	\$62,386	\$68,431	\$84,444	\$86,616	\$104,953	\$105,787	\$106,438	\$107,106
City of Bell	\$10,161	\$29,187	\$32,015	\$39,507	\$40,523	\$49,102	\$49,492	\$49,797	\$50,109
City of Bell Gardens	\$8,389	\$24,098	\$26,457	\$32,717	\$33,554	\$40,724	\$41,046	\$41,297	\$41,555
City of Bellflower	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Beverly Hills	\$84,609	\$243,039	\$257,266	\$291,637	\$300,647	\$339,279	\$342,331	\$345,036	\$347,803
City of Bradbury	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Burbank	\$74,410	\$213,743	\$240,384	\$313,081	\$320,171	\$403,873	\$406,857	\$408,980	\$411,165
City of Calabasas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Carson	\$1,856	\$5,331	\$5,907	\$7,456	\$7,638	\$9,417	\$9,490	\$9,544	\$9,600
City of Cerritos	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Claremont	\$20,290	\$58,283	\$62,827	\$74,474	\$76,568	\$89,818	\$90,574	\$91,202	\$91,846
City of Commerce	\$16,139	\$46,361	\$49,084	\$55,669	\$57,387	\$64,790	\$65,373	\$65,889	\$66,416
City of Compton	\$10,361	\$29,761	\$33,372	\$43,198	\$44,191	\$55,499	\$55,913	\$56,210	\$56,516
City of Covina	\$5,506	\$15,817	\$21,425	\$37,735	\$38,045	\$57,037	\$57,335	\$57,426	\$57,524
City of Culver City	\$22,550	\$64,774	\$78,891	\$119,085	\$120,877	\$167,511	\$168,543	\$169,077	\$169,633
City of Downey	\$52,476	\$150,737	\$163,685	\$197,400	\$202,744	\$241,220	\$243,200	\$244,803	\$246,447
City of Duarte	\$6,051	\$17,381	\$18,363	\$20,716	\$21,363	\$24,002	\$24,220	\$24,414	\$24,612
City of El Monte	\$13,906	\$39,946	\$47,013	\$66,875	\$68,077	\$91,069	\$91,671	\$92,030	\$92,402
City of El Segundo	\$8,014	\$23,022	\$25,576	\$32,461	\$33,243	\$41,151	\$41,466	\$41,700	\$41,941
City of Gardena	\$37,175	\$106,786	\$118,349	\$149,420	\$153,065	\$188,737	\$190,191	\$191,283	\$192,405
City of Glendale	\$173,722	\$499,017	\$538,669	\$640,627	\$658,509	\$774,579	\$781,066	\$786,432	\$791,929
City of Glendora	\$14,424	\$41,433	\$45,447	\$56,082	\$57,524	\$69,702	\$70,256	\$70,689	\$71,132
City of Hawaiian Gardens	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Hawthorne	\$24,358	\$69,969	\$76,748	\$94,709	\$97,144	\$117,709	\$118,645	\$119,375	\$120,125
City of Hermosa Beach	\$8,781	\$25,223	\$28,787	\$38,629	\$39,441	\$50,797	\$51,158	\$51,401	\$51,651
City of Hidden Hills	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Huntington Park	\$19,122	\$54,929	\$60,375	\$74,846	\$76,751	\$93,331	\$94,068	\$94,639	\$95,225
City of Industry	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Inglewood	\$5,434	\$15,610	\$24,505	\$50,698	\$50,806	\$81,373	\$81,738	\$81,768	\$81,805
City of Irwindale	\$406	\$1,165	\$1,278	\$1,577	\$1,617	\$1,960	\$1,975	\$1,988	\$2,000
City of La Canada Flintridge	\$329	\$945	\$976	\$1,036	\$1,072	\$1,136	\$1,148	\$1,159	\$1,170
City of La Habra Heights	\$571	\$1,641	\$1,808	\$2,254	\$2,311	\$2,822	\$2,844	\$2,861	\$2,879
City of La Mirada	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of La Puente	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of La Verne	\$3,091	\$8,879	\$12,216	\$21,938	\$22,101	\$33,425	\$33,597	\$33,645	\$33,696
City of Lakewood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Lancaster	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Lawndale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Long Beach	\$192,208	\$552,118	\$649,835	\$924,476	\$941,084	\$1,258,997	\$1,267,317	\$1,272,281	\$1,277,415
City of Los Angeles	\$2,313,252	\$6,644,840	\$7,166,125	\$8,503,598	\$8,742,121	\$10,264,051	\$10,350,297	\$10,421,861	\$10,495,185

LA-RICS
Cash Flow Estimates
March 2014

Annual Member Fees - Scenario 1, Baseline

	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	FY 2022/23	FY 2023/24
City of Lynwood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Manhattan Beach	\$81,153	\$233,112	\$241,981	\$260,596	\$269,520	\$289,768	\$292,594	\$295,274	\$298,013
City of Maywood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Monrovia	\$32,172	\$92,415	\$100,321	\$120,894	\$124,172	\$147,647	\$148,861	\$149,844	\$150,853
City of Montebello	\$30,129	\$86,547	\$96,152	\$122,033	\$124,974	\$154,704	\$155,887	\$156,768	\$157,673
City of Monterey Park	\$15,488	\$44,489	\$48,250	\$58,019	\$59,600	\$70,742	\$71,325	\$71,800	\$72,286
City of Norwalk	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Palmdale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Palos Verdes Estates	\$3,871	\$11,120	\$12,197	\$15,051	\$15,439	\$18,707	\$18,856	\$18,972	\$19,091
City of Paramount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pasadena	\$29,351	\$84,312	\$106,642	\$170,846	\$172,945	\$247,562	\$248,990	\$249,614	\$250,268
City of Pico Rivera	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pomona	\$157,019	\$451,039	\$468,738	\$506,371	\$523,606	\$564,676	\$570,154	\$575,331	\$580,620
City of Ranchos Palos Verdes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Redondo Beach	\$20,460	\$58,772	\$70,119	\$102,194	\$103,906	\$141,073	\$141,979	\$142,490	\$143,020
City of Rolling Hills Estates	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Rosemead	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of San Dimas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of San Fernando	\$6,803	\$19,541	\$21,434	\$26,450	\$27,130	\$32,874	\$33,135	\$33,339	\$33,549
City of San Gabriel	\$39,626	\$113,826	\$124,426	\$152,358	\$156,346	\$188,295	\$189,808	\$191,004	\$192,231
City of San Marino	\$11,968	\$34,377	\$37,101	\$44,100	\$45,332	\$53,299	\$53,746	\$54,116	\$54,495
City of Santa Clarita	\$42,720	\$122,714	\$126,770	\$134,726	\$139,460	\$147,962	\$149,436	\$150,859	\$152,311
City of Santa Fe Springs	\$6,540	\$18,787	\$22,354	\$32,426	\$32,976	\$44,645	\$44,933	\$45,098	\$45,268
City of Santa Monica	\$27,422	\$78,769	\$108,606	\$195,561	\$196,993	\$298,287	\$299,812	\$300,233	\$300,685
City of Sierra Madre	\$5,255	\$15,095	\$16,770	\$21,284	\$21,797	\$26,982	\$27,188	\$27,342	\$27,500
City of Signal Hill	\$4,383	\$12,592	\$14,181	\$18,522	\$18,939	\$23,939	\$24,115	\$24,240	\$24,368
City of South El Monte	\$0	\$0	\$141	\$566	\$558	\$1,055	\$1,058	\$1,056	\$1,053
City of South Gate	\$30,953	\$88,912	\$96,185	\$114,975	\$118,149	\$139,561	\$140,721	\$141,673	\$142,649
City of South Pasadena	\$12,331	\$35,421	\$39,351	\$49,944	\$51,147	\$63,314	\$63,799	\$64,159	\$64,530
City of Temple City	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Torrance	\$28,396	\$81,566	\$109,786	\$191,785	\$193,425	\$288,897	\$290,419	\$290,903	\$291,419
City of Vernon	\$11,526	\$33,109	\$36,978	\$47,463	\$48,576	\$60,633	\$61,090	\$61,423	\$61,766
City of Walnut	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of West Covina	\$51,151	\$146,932	\$163,238	\$207,177	\$212,169	\$262,642	\$264,651	\$266,147	\$267,684
City of Westlake Village	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Whittier	\$16,045	\$46,089	\$52,417	\$69,843	\$71,338	\$91,437	\$92,092	\$92,540	\$93,000
County of Los Angeles	\$1,071,883	\$3,078,994	\$3,578,479	\$4,973,450	\$5,068,751	\$6,681,692	\$6,727,129	\$6,755,632	\$6,785,061
Inglewood Unified School District	\$2,685	\$7,713	\$8,460	\$10,440	\$10,708	\$12,975	\$13,079	\$13,159	\$13,242
Los Angeles Unified School District	\$67,781	\$194,701	\$223,758	\$304,371	\$310,547	\$403,645	\$406,464	\$408,312	\$410,218
UCLA	\$6,072	\$17,441	\$29,857	\$66,573	\$66,547	\$109,422	\$109,883	\$109,871	\$109,869
Total	\$5,038,294	\$14,472,546	\$16,051,536	\$20,297,876	\$20,791,202	\$25,667,174	\$25,864,433	\$26,012,290	\$26,164,171

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Annual Member Fees - Scenario 1, Baseline

	FY 2024/25	FY 2025/26	FY 2026/27	FY 2027/28	FY 2028/29	FY 2029/30	FY 2030/31	FY 2031/32
City of Agoura Hills	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Alhambra	\$179,519	\$180,620	\$182,109	\$183,628	\$184,818	\$186,398	\$162,324	\$163,968
City of Arcadia	\$142,972	\$143,831	\$145,006	\$146,205	\$147,135	\$148,382	\$129,496	\$130,794
City of Artesia	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Avalon	\$4,415	\$4,440	\$4,476	\$4,512	\$4,539	\$4,577	\$4,015	\$4,054
City of Azusa	\$66,390	\$66,822	\$67,388	\$67,966	\$68,432	\$69,033	\$59,716	\$60,341
City of Baldwin Park	\$107,991	\$108,694	\$109,615	\$110,555	\$111,313	\$112,291	\$97,136	\$98,153
City of Bell	\$50,524	\$50,853	\$51,283	\$51,723	\$52,078	\$52,535	\$45,445	\$45,921
City of Bell Gardens	\$41,897	\$42,169	\$42,525	\$42,888	\$43,181	\$43,559	\$37,706	\$38,099
City of Bellflower	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Beverly Hills	\$351,042	\$353,937	\$357,307	\$360,743	\$363,841	\$367,417	\$308,141	\$311,861
City of Bradbury	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Burbank	\$414,331	\$416,641	\$419,936	\$423,296	\$425,804	\$429,300	\$377,528	\$381,165
City of Calabasas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Carson	\$9,677	\$9,736	\$9,816	\$9,898	\$9,962	\$10,047	\$8,754	\$8,842
City of Cerritos	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Claremont	\$92,648	\$93,324	\$94,158	\$95,009	\$95,735	\$96,620	\$82,434	\$83,356
City of Commerce	\$67,034	\$67,586	\$68,229	\$68,885	\$69,476	\$70,158	\$58,851	\$59,561
City of Compton	\$56,955	\$57,278	\$57,734	\$58,200	\$58,551	\$59,085	\$51,824	\$52,328
City of Covina	\$57,840	\$57,950	\$58,279	\$58,615	\$58,745	\$59,094	\$55,355	\$55,718
City of Culver City	\$170,729	\$171,328	\$172,468	\$173,630	\$174,298	\$175,507	\$159,971	\$161,230
City of Downey	\$248,548	\$250,275	\$252,462	\$254,692	\$256,550	\$258,870	\$222,211	\$224,625
City of Duarte	\$24,843	\$25,051	\$25,291	\$25,536	\$25,758	\$26,013	\$21,773	\$22,038
City of El Monte	\$93,040	\$93,437	\$94,102	\$94,780	\$95,216	\$95,922	\$86,299	\$87,033
City of El Segundo	\$42,275	\$42,529	\$42,877	\$43,231	\$43,506	\$43,875	\$38,291	\$38,674
City of Gardena	\$193,948	\$195,131	\$196,736	\$198,373	\$199,653	\$201,356	\$175,447	\$177,219
City of Glendale	\$798,814	\$804,584	\$811,747	\$819,053	\$825,253	\$832,854	\$711,412	\$719,321
City of Glendora	\$71,720	\$72,187	\$72,799	\$73,423	\$73,927	\$74,576	\$64,511	\$65,186
City of Hawaiian Gardens	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Hawthorne	\$121,117	\$121,906	\$122,939	\$123,993	\$124,843	\$125,939	\$108,942	\$110,083
City of Hermosa Beach	\$52,034	\$52,300	\$52,698	\$53,105	\$53,394	\$53,817	\$47,719	\$48,159
City of Hidden Hills	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Huntington Park	\$96,007	\$96,624	\$97,438	\$98,268	\$98,934	\$99,798	\$86,457	\$87,356
City of Industry	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Inglewood	\$82,193	\$82,245	\$82,648	\$83,060	\$83,137	\$83,565	\$79,960	\$80,405
City of Irwindale	\$2,017	\$2,030	\$2,047	\$2,064	\$2,079	\$2,097	\$1,814	\$1,833
City of La Canada Flintridge	\$1,182	\$1,193	\$1,206	\$1,219	\$1,231	\$1,244	\$1,013	\$1,027
City of La Habra Heights	\$2,902	\$2,921	\$2,945	\$2,970	\$2,990	\$3,016	\$2,617	\$2,644
City of La Mirada	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of La Puente	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of La Verne	\$33,878	\$33,936	\$34,126	\$34,318	\$34,388	\$34,589	\$32,495	\$32,704
City of Lakewood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Lancaster	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Lawndale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Long Beach	\$1,286,245	\$1,291,728	\$1,300,915	\$1,310,286	\$1,316,320	\$1,326,069	\$1,193,070	\$1,203,213
City of Los Angeles	\$10,586,709	\$10,663,658	\$10,758,880	\$10,856,006	\$10,938,669	\$11,039,720	\$9,422,445	\$9,527,577

LA-RICS
Cash Flow Estimates
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Annual Member Fees - Scenario 1, Baseline

	FY 2024/25	FY 2025/26	FY 2026/27	FY 2027/28	FY 2028/29	FY 2029/30	FY 2030/31	FY 2031/32
City of Lynwood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Manhattan Beach	\$301,011	\$303,868	\$306,988	\$310,171	\$313,215	\$316,526	\$259,550	\$262,995
City of Maywood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Monrovia	\$152,140	\$153,199	\$154,539	\$155,906	\$157,045	\$158,467	\$135,991	\$137,470
City of Montebello	\$158,929	\$159,884	\$161,190	\$162,523	\$163,556	\$164,942	\$143,949	\$145,391
City of Monterey Park	\$72,905	\$73,415	\$74,059	\$74,716	\$75,265	\$75,949	\$65,127	\$65,838
City of Norwalk	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Palmdale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Palos Verdes Estates	\$19,248	\$19,374	\$19,538	\$19,705	\$19,841	\$20,015	\$17,314	\$17,495
City of Paramount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pasadena	\$251,783	\$252,496	\$254,073	\$255,681	\$256,489	\$258,162	\$238,040	\$239,780
City of Pico Rivera	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pomona	\$586,434	\$591,953	\$598,003	\$604,173	\$610,055	\$616,474	\$506,248	\$512,927
City of Ranchos Palos Verdes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Redondo Beach	\$143,981	\$144,549	\$145,549	\$146,569	\$147,197	\$148,258	\$134,125	\$135,229
City of Rolling Hills Estates	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Rosemead	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of San Dimas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of San Fernando	\$33,826	\$34,046	\$34,335	\$34,629	\$34,866	\$35,172	\$30,426	\$30,744
City of San Gabriel	\$193,836	\$195,126	\$196,797	\$198,500	\$199,891	\$201,663	\$174,002	\$175,846
City of San Marino	\$54,969	\$55,366	\$55,860	\$56,363	\$56,790	\$57,313	\$48,947	\$49,492
City of Santa Clarita	\$153,876	\$155,390	\$157,018	\$158,678	\$160,290	\$162,018	\$132,010	\$133,807
City of Santa Fe Springs	\$45,574	\$45,756	\$46,075	\$46,399	\$46,601	\$46,939	\$42,419	\$42,771
City of Santa Monica	\$302,303	\$302,819	\$304,502	\$306,219	\$306,836	\$308,623	\$290,051	\$291,909
City of Sierra Madre	\$27,719	\$27,886	\$28,113	\$28,346	\$28,526	\$28,768	\$25,106	\$25,358
City of Signal Hill	\$24,555	\$24,691	\$24,886	\$25,084	\$25,232	\$25,438	\$22,389	\$22,603
City of South El Monte	\$1,056	\$1,054	\$1,057	\$1,061	\$1,059	\$1,062	\$1,066	\$1,069
City of South Gate	\$143,881	\$144,905	\$146,186	\$147,493	\$148,595	\$149,954	\$128,322	\$129,736
City of South Pasadena	\$65,044	\$65,435	\$65,969	\$66,514	\$66,937	\$67,505	\$58,913	\$59,503
City of Temple City	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Torrance	\$293,034	\$293,613	\$295,293	\$297,007	\$297,687	\$299,471	\$280,172	\$282,027
City of Vernon	\$62,251	\$62,613	\$63,117	\$63,632	\$64,024	\$64,559	\$56,533	\$57,090
City of Walnut	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of West Covina	\$269,815	\$271,437	\$273,654	\$275,916	\$277,671	\$280,024	\$244,384	\$246,832
City of Westlake Village	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Whittier	\$93,696	\$94,185	\$94,909	\$95,647	\$96,179	\$96,947	\$85,798	\$86,598
County of Los Angeles	\$6,833,280	\$6,864,620	\$6,914,786	\$6,965,957	\$7,000,306	\$7,053,544	\$6,310,696	\$6,366,084
Inglewood Unified School District	\$13,351	\$13,438	\$13,552	\$13,668	\$13,762	\$13,883	\$12,009	\$12,135
Los Angeles Unified School District	\$413,210	\$415,234	\$418,347	\$421,522	\$423,733	\$427,037	\$379,998	\$383,436
UCLA	\$110,358	\$110,375	\$110,884	\$111,403	\$111,451	\$111,991	\$108,026	\$108,588
Total	\$26,373,504	\$26,533,676	\$26,751,466	\$26,973,612	\$27,146,853	\$27,377,974	\$23,866,780	\$24,107,238

**LA-RICS
Cash Flow Estimates
March 2014**

Annual Costs - Scenario 2, Excluding In-Kind Match

	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	FY 2022/23	FY 2023/24
LMR									
Operations and Maintenance (from Phase 5 LMR Contract)				\$4,011,090	\$3,904,394	\$3,797,698	\$3,797,698	\$3,744,351	\$3,691,003
Capital Replacement						\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841
Administration			\$1,343,528	\$1,370,398	\$1,397,806	\$1,425,762	\$1,454,278	\$1,483,363	\$1,513,031
LMR Total			\$1,343,528	\$5,381,488	\$5,302,200	\$10,030,302	\$10,058,817	\$10,034,555	\$10,010,875
LTE									
Hard Match (from BTOP grant budget narrative)	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012
In-Kind	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Operations and Maintenance (first 5 years from Phase 5 PSBN contract)		\$5,955,692	\$6,164,811	\$6,346,320	\$6,891,526	\$7,011,440	\$7,151,669	\$7,294,702	\$7,440,596
Capital Replacement		\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733
Administration	\$1,291,357	\$1,317,184	\$1,343,528	\$1,370,398	\$1,397,806	\$1,425,762	\$1,454,278	\$1,483,363	\$1,513,031
LTE Total	\$3,166,369	\$12,600,621	\$12,836,084	\$13,044,464	\$13,617,078	\$13,764,948	\$13,933,692	\$14,105,811	\$14,281,372
Total LMR+LTE	\$3,166,369	\$12,600,621	\$14,179,612	\$18,425,952	\$18,919,278	\$23,795,249	\$23,992,509	\$24,140,366	\$24,292,247

Interest Rates	
Loan rate for hard match	5.00%
Investment rate for capital replacement sinking fund	0.625%
LTE O&M inflation (after 5th year)	2%
Administration	2%

Note: LMR and LTE O&M based on respective contracts. In funding model, annual O&M is averaged using straight line method.

LA-RICS
Cash Flow Estimates
March 2014

Annual Costs - Scenario 2, Excluding In-Kind Match

	FY 2024/25	FY 2025/26	FY 2026/27	FY 2027/28	FY 2028/29	FY 2029/30	FY 2030/31	FY 2031/32	Total
LMR									
Operations and Maintenance (from Phase 5 LMR Contract)	\$3,691,003	\$3,637,655	\$3,637,655	\$3,637,655	\$3,584,307	\$3,584,307	\$3,584,307	\$3,584,307	\$51,887,430
Capital Replacement	\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841	\$57,682,093
Administration	\$1,543,291	\$1,574,157	\$1,605,640	\$1,637,753	\$1,670,508	\$1,703,918	\$1,737,996	\$1,772,756	\$23,234,187
LMR Total	\$10,041,135	\$10,018,653	\$10,050,136	\$10,082,249	\$10,061,656	\$10,095,066	\$10,129,145	\$10,163,905	
LTE									
Hard Match (from BTOP grant budget narrative)	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$0	\$0	\$28,125,185
In-Kind	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Operations and Maintenance (first 5 years from Phase 5 PSBN contract)	\$7,589,408	\$7,741,196	\$7,896,020	\$8,053,941	\$8,215,019	\$8,379,320	\$8,546,906	\$8,717,844	\$119,396,411
Capital Replacement	\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733	\$55,243,728
Administration	\$1,543,291	\$1,574,157	\$1,605,640	\$1,637,753	\$1,670,508	\$1,703,918	\$1,737,996	\$1,772,756	\$25,842,728
LTE Total	\$14,460,445	\$14,643,099	\$14,829,406	\$15,019,439	\$15,213,273	\$15,410,983	\$13,737,636	\$13,943,334	
Total LMR+LTE	\$24,501,580	\$24,661,752	\$24,879,542	\$25,101,688	\$25,274,929	\$25,506,050	\$23,866,780	\$24,107,238	

Interest Rates	
Loan rate for hard match	5.00%
Investment rate for capital replacement sinking fund	0.625%
LTE O&M inflation (after 5th year)	2%
Administration	2%

Note: LMR and LTE O&M based on respective contracts. In funding model, annual O&M is averaged using straight line method.

LA-RICS
Cash Flow Estimates
March 2014

Annual Member Fees - Scenario 2, Excluding
 In-Kind Match

	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	FY 2022/23	FY 2023/24
City of Agoura Hills	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Alhambra	\$21,706	\$86,380	\$97,033	\$125,630	\$129,022	\$161,846	\$163,195	\$164,212	\$165,256
City of Arcadia	\$17,034	\$67,787	\$76,428	\$99,710	\$102,356	\$129,101	\$130,165	\$130,958	\$131,772
City of Artesia	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Avalon	\$507	\$2,018	\$2,297	\$3,053	\$3,131	\$4,002	\$4,034	\$4,057	\$4,081
City of Azusa	\$8,391	\$33,392	\$37,108	\$46,953	\$48,288	\$59,561	\$60,074	\$60,474	\$60,885
City of Baldwin Park	\$13,649	\$54,317	\$60,361	\$76,375	\$78,547	\$96,883	\$97,718	\$98,369	\$99,037
City of Bell	\$6,386	\$25,412	\$28,240	\$35,732	\$36,748	\$45,327	\$45,717	\$46,022	\$46,334
City of Bell Gardens	\$5,272	\$20,981	\$23,340	\$29,600	\$30,437	\$37,607	\$37,929	\$38,180	\$38,438
City of Bellflower	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Beverly Hills	\$53,173	\$211,604	\$225,830	\$260,202	\$269,212	\$307,844	\$310,896	\$313,601	\$316,368
City of Bradbury	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Burbank	\$46,764	\$186,096	\$212,738	\$285,435	\$292,525	\$376,227	\$379,211	\$381,334	\$383,519
City of Calabasas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Carson	\$1,166	\$4,641	\$5,218	\$6,767	\$6,949	\$8,728	\$8,800	\$8,855	\$8,911
City of Cerritos	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Claremont	\$12,751	\$50,745	\$55,289	\$66,936	\$69,029	\$82,280	\$83,036	\$83,664	\$84,307
City of Commerce	\$10,143	\$40,364	\$43,088	\$49,673	\$51,391	\$58,794	\$59,376	\$59,892	\$60,420
City of Compton	\$6,511	\$25,912	\$29,523	\$39,349	\$40,342	\$51,650	\$52,063	\$52,361	\$52,667
City of Covina	\$3,460	\$13,771	\$19,379	\$35,689	\$35,999	\$54,991	\$55,289	\$55,381	\$55,478
City of Culver City	\$14,172	\$56,396	\$70,513	\$110,707	\$112,499	\$159,132	\$160,165	\$160,699	\$161,255
City of Downey	\$32,979	\$131,240	\$144,188	\$177,903	\$183,247	\$221,723	\$223,703	\$225,307	\$226,950
City of Duarte	\$3,803	\$15,133	\$16,115	\$18,468	\$19,114	\$21,754	\$21,972	\$22,166	\$22,364
City of El Monte	\$8,739	\$34,779	\$41,846	\$61,709	\$62,910	\$85,902	\$86,504	\$86,863	\$87,235
City of El Segundo	\$5,037	\$20,044	\$22,599	\$29,483	\$30,265	\$38,174	\$38,488	\$38,723	\$38,964
City of Gardena	\$23,363	\$92,974	\$104,537	\$135,608	\$139,253	\$174,925	\$176,379	\$177,471	\$178,593
City of Glendale	\$109,177	\$434,472	\$474,124	\$576,082	\$593,965	\$710,034	\$716,522	\$721,887	\$727,385
City of Glendora	\$9,065	\$36,074	\$40,088	\$50,723	\$52,165	\$64,343	\$64,897	\$65,330	\$65,773
City of Hawaiian Gardens	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Hawthorne	\$15,308	\$60,919	\$67,698	\$85,659	\$88,094	\$108,659	\$109,595	\$110,325	\$111,075
City of Hermosa Beach	\$5,518	\$21,961	\$25,525	\$35,366	\$36,178	\$47,534	\$47,895	\$48,138	\$48,389
City of Hidden Hills	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Huntington Park	\$12,018	\$47,825	\$53,270	\$67,741	\$69,646	\$86,226	\$86,963	\$87,534	\$88,120
City of Industry	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Inglewood	\$3,415	\$13,591	\$22,486	\$48,679	\$48,787	\$79,354	\$79,719	\$79,749	\$79,786
City of Irwindale	\$255	\$1,014	\$1,127	\$1,426	\$1,467	\$1,809	\$1,825	\$1,837	\$1,849
City of La Canada Flintridge	\$207	\$823	\$854	\$914	\$950	\$1,014	\$1,025	\$1,036	\$1,048
City of La Habra Heights	\$359	\$1,429	\$1,596	\$2,042	\$2,099	\$2,610	\$2,632	\$2,649	\$2,666
City of La Mirada	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of La Puente	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of La Verne	\$1,943	\$7,731	\$11,067	\$20,789	\$20,952	\$32,277	\$32,448	\$32,496	\$32,548
City of Lakewood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Lancaster	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Lawndale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Long Beach	\$120,795	\$480,705	\$578,423	\$853,063	\$869,671	\$1,187,584	\$1,195,905	\$1,200,869	\$1,206,002
City of Los Angeles	\$1,453,788	\$5,785,375	\$6,306,661	\$7,644,134	\$7,882,657	\$9,404,587	\$9,490,833	\$9,562,397	\$9,635,721

LA-RICS
Cash Flow Estimates
March 2014

Annual Member Fees - Scenario 2, Excluding
 In-Kind Match

	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	FY 2022/23	FY 2023/24
City of Lynwood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Manhattan Beach	\$51,001	\$202,960	\$211,830	\$230,445	\$239,368	\$259,617	\$262,442	\$265,123	\$267,861
City of Maywood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Monrovia	\$20,219	\$80,462	\$88,368	\$108,940	\$112,219	\$135,694	\$136,908	\$137,891	\$138,899
City of Montebello	\$18,935	\$75,353	\$84,958	\$110,839	\$113,780	\$143,509	\$144,692	\$145,574	\$146,479
City of Monterey Park	\$9,734	\$38,735	\$42,496	\$52,264	\$53,845	\$64,988	\$65,571	\$66,045	\$66,531
City of Norwalk	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Palmdale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Palos Verdes Estates	\$2,433	\$9,681	\$10,759	\$13,613	\$14,000	\$17,269	\$17,417	\$17,533	\$17,652
City of Paramount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pasadena	\$18,446	\$73,407	\$95,737	\$159,941	\$162,040	\$236,657	\$238,085	\$238,709	\$239,362
City of Pico Rivera	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pomona	\$98,680	\$392,700	\$410,399	\$448,033	\$465,267	\$506,337	\$511,816	\$516,993	\$522,282
City of Ranchos Palos Verdes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Redondo Beach	\$12,859	\$51,171	\$62,517	\$94,592	\$96,305	\$133,471	\$134,377	\$134,888	\$135,418
City of Rolling Hills Estates	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Rosemead	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of San Dimas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of San Fernando	\$4,275	\$17,014	\$18,907	\$23,923	\$24,603	\$30,347	\$30,608	\$30,812	\$31,021
City of San Gabriel	\$24,903	\$99,103	\$109,704	\$137,636	\$141,623	\$173,573	\$175,086	\$176,281	\$177,508
City of San Marino	\$7,521	\$29,931	\$32,654	\$39,653	\$40,886	\$48,853	\$49,300	\$49,669	\$50,048
City of Santa Clarita	\$26,848	\$106,842	\$110,898	\$118,854	\$123,588	\$132,090	\$133,564	\$134,986	\$136,439
City of Santa Fe Springs	\$4,110	\$16,357	\$19,924	\$29,996	\$30,546	\$42,215	\$42,503	\$42,668	\$42,838
City of Santa Monica	\$17,233	\$68,581	\$98,417	\$185,373	\$186,805	\$288,099	\$289,623	\$290,045	\$290,497
City of Sierra Madre	\$3,303	\$13,142	\$14,818	\$19,332	\$19,844	\$25,030	\$25,236	\$25,390	\$25,548
City of Signal Hill	\$2,755	\$10,963	\$12,552	\$16,894	\$17,310	\$22,311	\$22,487	\$22,611	\$22,740
City of South El Monte	\$0	\$0	\$141	\$566	\$558	\$1,055	\$1,058	\$1,056	\$1,053
City of South Gate	\$19,453	\$77,412	\$84,685	\$103,475	\$106,649	\$128,061	\$129,221	\$130,173	\$131,149
City of South Pasadena	\$7,749	\$30,839	\$34,770	\$45,362	\$46,566	\$58,733	\$59,217	\$59,578	\$59,948
City of Temple City	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Torrance	\$17,845	\$71,016	\$99,236	\$181,235	\$182,875	\$278,347	\$279,869	\$280,353	\$280,869
City of Vernon	\$7,244	\$28,827	\$32,696	\$43,180	\$44,294	\$56,351	\$56,807	\$57,141	\$57,484
City of Walnut	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of West Covina	\$32,146	\$127,927	\$144,234	\$188,173	\$193,165	\$243,637	\$245,646	\$247,142	\$248,679
City of Westlake Village	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Whittier	\$10,084	\$40,128	\$46,455	\$63,882	\$65,376	\$85,475	\$86,131	\$86,578	\$87,039
County of Los Angeles	\$673,636	\$2,680,747	\$3,180,232	\$4,575,203	\$4,670,505	\$6,283,445	\$6,328,883	\$6,357,385	\$6,386,815
Inglewood Unified School District	\$1,687	\$6,715	\$7,463	\$9,442	\$9,711	\$11,978	\$12,081	\$12,162	\$12,244
Los Angeles Unified School District	\$42,598	\$169,518	\$198,575	\$279,188	\$285,364	\$378,461	\$381,281	\$383,129	\$385,034
UCLA	\$3,816	\$15,185	\$27,601	\$64,317	\$64,291	\$107,166	\$107,627	\$107,615	\$107,613
Total	\$3,166,369	\$12,600,621	\$14,179,612	\$18,425,952	\$18,919,278	\$23,795,249	\$23,992,509	\$24,140,366	\$24,292,247

LA-RICS
Cash Flow Estimates
March 2014

Annual Member Fees - Scenario 2, Excluding
 In-Kind Match

	FY 2024/25	FY 2025/26	FY 2026/27	FY 2027/28	FY 2028/29	FY 2029/30	FY 2030/31	FY 2031/32
City of Agoura Hills	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Alhambra	\$166,687	\$167,788	\$169,277	\$170,796	\$171,986	\$173,566	\$162,324	\$163,968
City of Arcadia	\$132,902	\$133,761	\$134,936	\$136,135	\$137,064	\$138,311	\$129,496	\$130,794
City of Artesia	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Avalon	\$4,115	\$4,140	\$4,176	\$4,212	\$4,239	\$4,277	\$4,015	\$4,054
City of Azusa	\$61,429	\$61,861	\$62,428	\$63,005	\$63,471	\$64,072	\$59,716	\$60,341
City of Baldwin Park	\$99,922	\$100,625	\$101,546	\$102,486	\$103,244	\$104,221	\$97,136	\$98,153
City of Bell	\$46,748	\$47,077	\$47,508	\$47,948	\$48,303	\$48,760	\$45,445	\$45,921
City of Bell Gardens	\$38,781	\$39,052	\$39,408	\$39,772	\$40,064	\$40,442	\$37,706	\$38,099
City of Bellflower	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Beverly Hills	\$319,606	\$322,502	\$325,871	\$329,308	\$332,406	\$335,981	\$308,141	\$311,861
City of Bradbury	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Burbank	\$386,685	\$388,995	\$392,290	\$395,650	\$398,158	\$401,653	\$377,528	\$381,165
City of Calabasas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Carson	\$8,988	\$9,047	\$9,127	\$9,209	\$9,272	\$9,357	\$8,754	\$8,842
City of Cerritos	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Claremont	\$85,110	\$85,785	\$86,620	\$87,471	\$88,196	\$89,082	\$82,434	\$83,356
City of Commerce	\$61,038	\$61,590	\$62,233	\$62,889	\$63,479	\$64,162	\$58,851	\$59,561
City of Compton	\$53,105	\$53,429	\$53,885	\$54,350	\$54,701	\$55,185	\$51,824	\$52,328
City of Covina	\$55,794	\$55,905	\$56,234	\$56,569	\$56,699	\$57,048	\$55,355	\$55,718
City of Culver City	\$162,351	\$162,949	\$164,089	\$165,252	\$165,920	\$167,129	\$159,971	\$161,230
City of Downey	\$229,052	\$230,778	\$232,965	\$235,195	\$237,053	\$239,373	\$222,211	\$224,625
City of Duarte	\$22,595	\$22,803	\$23,043	\$23,288	\$23,510	\$23,765	\$21,773	\$22,038
City of El Monte	\$87,874	\$88,270	\$88,935	\$89,613	\$90,050	\$90,755	\$86,299	\$87,033
City of El Segundo	\$39,298	\$39,552	\$39,899	\$40,253	\$40,528	\$40,897	\$38,291	\$38,674
City of Gardena	\$180,136	\$181,319	\$182,924	\$184,561	\$185,841	\$187,544	\$175,447	\$177,219
City of Glendale	\$734,269	\$740,040	\$747,203	\$754,509	\$760,709	\$768,310	\$711,412	\$719,321
City of Glendora	\$66,361	\$66,828	\$67,440	\$68,064	\$68,568	\$69,217	\$64,511	\$65,186
City of Hawaiian Gardens	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Hawthorne	\$112,067	\$112,856	\$113,889	\$114,943	\$115,793	\$116,889	\$108,942	\$110,083
City of Hermosa Beach	\$48,772	\$49,037	\$49,436	\$49,842	\$50,132	\$50,555	\$47,719	\$48,159
City of Hidden Hills	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Huntington Park	\$88,902	\$89,520	\$90,333	\$91,163	\$91,829	\$92,693	\$86,457	\$87,356
City of Industry	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Inglewood	\$80,174	\$80,226	\$80,629	\$81,041	\$81,117	\$81,546	\$79,960	\$80,405
City of Irwindale	\$1,866	\$1,879	\$1,896	\$1,914	\$1,928	\$1,946	\$1,814	\$1,833
City of La Canada Flintridge	\$1,060	\$1,071	\$1,084	\$1,097	\$1,109	\$1,122	\$1,013	\$1,027
City of La Habra Heights	\$2,690	\$2,708	\$2,733	\$2,758	\$2,777	\$2,803	\$2,617	\$2,644
City of La Mirada	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of La Puente	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of La Verne	\$32,729	\$32,788	\$32,977	\$33,170	\$33,240	\$33,441	\$32,495	\$32,704
City of Lakewood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Lancaster	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Lawndale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Long Beach	\$1,214,832	\$1,220,316	\$1,229,502	\$1,238,873	\$1,244,907	\$1,254,657	\$1,193,070	\$1,203,213
City of Los Angeles	\$9,727,245	\$9,804,194	\$9,899,416	\$9,996,542	\$10,079,205	\$10,180,255	\$9,422,445	\$9,527,577

LA-RICS
Cash Flow Estimates
March 2014

Annual Member Fees - Scenario 2, Excluding
 In-Kind Match

	FY 2024/25	FY 2025/26	FY 2026/27	FY 2027/28	FY 2028/29	FY 2029/30	FY 2030/31	FY 2031/32
City of Lynwood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Manhattan Beach	\$270,860	\$273,717	\$276,837	\$280,019	\$283,063	\$286,374	\$259,550	\$262,995
City of Maywood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Monrovia	\$140,187	\$141,246	\$142,586	\$143,952	\$145,092	\$146,514	\$135,991	\$137,470
City of Montebello	\$147,735	\$148,690	\$149,996	\$151,328	\$152,362	\$153,748	\$143,949	\$145,391
City of Monterey Park	\$67,150	\$67,661	\$68,305	\$68,962	\$69,511	\$70,194	\$65,127	\$65,838
City of Norwalk	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Palmdale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Palos Verdes Estates	\$17,810	\$17,936	\$18,100	\$18,267	\$18,402	\$18,577	\$17,314	\$17,495
City of Paramount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pasadena	\$240,878	\$241,591	\$243,167	\$244,775	\$245,583	\$247,256	\$238,040	\$239,780
City of Pico Rivera	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pomona	\$528,096	\$533,615	\$539,664	\$545,834	\$551,716	\$558,135	\$506,248	\$512,927
City of Ranchos Palos Verdes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Redondo Beach	\$136,379	\$136,947	\$137,947	\$138,967	\$139,595	\$140,657	\$134,125	\$135,229
City of Rolling Hills Estates	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Rosemead	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of San Dimas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of San Fernando	\$31,298	\$31,519	\$31,807	\$32,101	\$32,339	\$32,645	\$30,426	\$30,744
City of San Gabriel	\$179,113	\$180,404	\$182,074	\$183,778	\$185,168	\$186,941	\$174,002	\$175,846
City of San Marino	\$50,522	\$50,920	\$51,413	\$51,916	\$52,344	\$52,867	\$48,947	\$49,492
City of Santa Clarita	\$138,003	\$139,518	\$141,146	\$142,806	\$144,418	\$146,146	\$132,010	\$133,807
City of Santa Fe Springs	\$43,144	\$43,326	\$43,645	\$43,969	\$44,171	\$44,509	\$42,419	\$42,771
City of Santa Monica	\$292,115	\$292,631	\$294,314	\$296,031	\$296,648	\$298,434	\$290,051	\$291,909
City of Sierra Madre	\$25,767	\$25,933	\$26,161	\$26,393	\$26,574	\$26,815	\$25,106	\$25,358
City of Signal Hill	\$22,927	\$23,063	\$23,257	\$23,455	\$23,603	\$23,809	\$22,389	\$22,603
City of South El Monte	\$1,056	\$1,054	\$1,057	\$1,061	\$1,059	\$1,062	\$1,066	\$1,069
City of South Gate	\$132,380	\$133,405	\$134,686	\$135,993	\$137,094	\$138,454	\$128,322	\$129,736
City of South Pasadena	\$60,462	\$60,853	\$61,388	\$61,933	\$62,356	\$62,923	\$58,913	\$59,503
City of Temple City	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Torrance	\$282,484	\$283,063	\$284,743	\$286,457	\$287,137	\$288,920	\$280,172	\$282,027
City of Vernon	\$57,969	\$58,331	\$58,835	\$59,349	\$59,742	\$60,277	\$56,533	\$57,090
City of Walnut	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of West Covina	\$250,811	\$252,432	\$254,650	\$256,912	\$258,666	\$261,020	\$244,384	\$246,832
City of Westlake Village	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Whittier	\$87,735	\$88,223	\$88,947	\$89,686	\$90,218	\$90,986	\$85,798	\$86,598
County of Los Angeles	\$6,435,034	\$6,466,373	\$6,516,540	\$6,567,710	\$6,602,060	\$6,655,297	\$6,310,696	\$6,366,084
Inglewood Unified School District	\$12,354	\$12,440	\$12,554	\$12,670	\$12,764	\$12,885	\$12,009	\$12,135
Los Angeles Unified School District	\$388,027	\$390,051	\$393,164	\$396,339	\$398,550	\$401,854	\$379,998	\$383,436
UCLA	\$108,102	\$108,119	\$108,628	\$109,147	\$109,195	\$109,735	\$108,026	\$108,588
Total	\$24,501,580	\$24,661,752	\$24,879,542	\$25,101,688	\$25,274,929	\$25,506,050	\$23,866,780	\$24,107,238

LA-RICS
Cash Flow Estimates
March 2014

Annual Costs - Scenario 3, Excluding In-Kind Match
and Capital Replacement

	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	FY 2022/23	FY 2023/24
LMR									
Operations and Maintenance (from Phase 5 LMR Contract)				\$4,011,090	\$3,904,394	\$3,797,698	\$3,797,698	\$3,744,351	\$3,691,003
Capital Replacement						\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841
Administration			\$1,343,528	\$1,370,398	\$1,397,806	\$1,425,762	\$1,454,278	\$1,483,363	\$1,513,031
LMR Total			\$1,343,528	\$5,381,488	\$5,302,200	\$10,030,302	\$10,058,817	\$10,034,555	\$10,010,875
LTE									
Hard Match (from BTOP grant budget narrative)	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012
In-Kind	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Operations and Maintenance (first 5 years from Phase 5 PSBN contract)		\$5,955,692	\$6,164,811	\$6,346,320	\$6,891,526	\$7,011,440	\$7,151,669	\$7,294,702	\$7,440,596
Capital Replacement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Administration	\$1,291,357	\$1,317,184	\$1,343,528	\$1,370,398	\$1,397,806	\$1,425,762	\$1,454,278	\$1,483,363	\$1,513,031
LTE Total	\$3,166,369	\$9,147,888	\$9,383,351	\$9,591,731	\$10,164,345	\$10,312,215	\$10,480,959	\$10,653,078	\$10,828,639
Total LMR+LTE	\$3,166,369	\$9,147,888	\$10,726,879	\$14,973,219	\$15,466,545	\$20,342,516	\$20,539,776	\$20,687,633	\$20,839,514

Interest Rates	
Loan rate for hard match	5.00%
Investment rate for capital replacement sinking fund	0.625%
LTE O&M inflation (after 5th year)	2%
Administration	2%

Note: LMR and LTE O&M based on respective contracts. In funding model, annual O&M is averaged using straight line method.

LA-RICS
Cash Flow Estimates
March 2014

Annual Costs - Scenario 3, Excluding In-Kind Match
and Capital Replacement

	FY 2024/25	FY 2025/26	FY 2026/27	FY 2027/28	FY 2028/29	FY 2029/30	FY 2030/31	FY 2031/32	Total
LMR									
Operations and Maintenance (from Phase 5 LMR Contract)	\$3,691,003	\$3,637,655	\$3,637,655	\$3,637,655	\$3,584,307	\$3,584,307	\$3,584,307	\$3,584,307	\$51,887,430
Capital Replacement	\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841	\$57,682,093
Administration	\$1,543,291	\$1,574,157	\$1,605,640	\$1,637,753	\$1,670,508	\$1,703,918	\$1,737,996	\$1,772,756	\$23,234,187
LMR Total	\$10,041,135	\$10,018,653	\$10,050,136	\$10,082,249	\$10,061,656	\$10,095,066	\$10,129,145	\$10,163,905	
LTE									
Hard Match (from BTOP grant budget narrative)	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$0	\$0	\$28,125,185
In-Kind	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Operations and Maintenance (first 5 years from Phase 5 PSBN contract)	\$7,589,408	\$7,741,196	\$7,896,020	\$8,053,941	\$8,215,019	\$8,379,320	\$8,546,906	\$8,717,844	\$119,396,411
Capital Replacement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Administration	\$1,543,291	\$1,574,157	\$1,605,640	\$1,637,753	\$1,670,508	\$1,703,918	\$1,737,996	\$1,772,756	\$25,842,728
LTE Total	\$11,007,712	\$11,190,366	\$11,376,673	\$11,566,706	\$11,760,540	\$11,958,250	\$10,284,903	\$10,490,601	
Total LMR+LTE	\$21,048,847	\$21,209,019	\$21,426,809	\$21,648,955	\$21,822,196	\$22,053,317	\$20,414,047	\$20,654,505	

Interest Rates	
Loan rate for hard match	5.00%
Investment rate for capital replacement sinking fund	0.625%
LTE O&M inflation (after 5th year)	2%
Administration	2%

Note: LMR and LTE O&M based on respective contracts. In funding model, annual O&M is averaged using straight line method.

LA-RICS
Cash Flow Estimates
March 2014

Annual Member Fees - Scenario 3,
 Excluding In-Kind Match and Capital
 Replacement

	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	FY 2022/23	FY 2023/24
City of Agoura Hills	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Alhambra	\$21,706	\$62,711	\$73,364	\$101,960	\$105,352	\$138,177	\$139,526	\$140,543	\$141,587
City of Arcadia	\$17,034	\$49,213	\$57,853	\$81,136	\$83,781	\$110,526	\$111,590	\$112,383	\$113,198
City of Artesia	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Avalon	\$507	\$1,465	\$1,744	\$2,500	\$2,578	\$3,449	\$3,481	\$3,504	\$3,528
City of Azusa	\$8,391	\$24,242	\$27,958	\$37,803	\$39,138	\$50,411	\$50,924	\$51,324	\$51,735
City of Baldwin Park	\$13,649	\$39,433	\$45,478	\$61,492	\$63,663	\$82,000	\$82,834	\$83,485	\$84,153
City of Bell	\$6,386	\$18,449	\$21,277	\$28,769	\$29,785	\$38,364	\$38,754	\$39,058	\$39,371
City of Bell Gardens	\$5,272	\$15,232	\$17,591	\$23,851	\$24,688	\$31,858	\$32,180	\$32,431	\$32,689
City of Bellflower	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Beverly Hills	\$53,173	\$153,622	\$167,848	\$202,220	\$211,229	\$249,862	\$252,913	\$255,618	\$258,386
City of Bradbury	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Burbank	\$46,764	\$135,104	\$161,745	\$234,442	\$241,532	\$325,234	\$328,218	\$330,342	\$332,526
City of Calabasas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Carson	\$1,166	\$3,369	\$3,946	\$5,495	\$5,677	\$7,456	\$7,528	\$7,583	\$7,639
City of Cerritos	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Claremont	\$12,751	\$36,840	\$41,384	\$53,031	\$55,125	\$68,375	\$69,131	\$69,759	\$70,403
City of Commerce	\$10,143	\$29,304	\$32,027	\$38,613	\$40,331	\$47,734	\$48,316	\$48,832	\$49,359
City of Compton	\$6,511	\$18,812	\$22,423	\$32,249	\$33,242	\$44,550	\$44,963	\$45,261	\$45,566
City of Covina	\$3,460	\$9,997	\$15,606	\$31,916	\$32,226	\$51,218	\$51,516	\$51,607	\$51,705
City of Culver City	\$14,172	\$40,943	\$55,060	\$95,254	\$97,046	\$143,679	\$144,712	\$145,246	\$145,802
City of Downey	\$32,979	\$95,279	\$108,227	\$141,941	\$147,286	\$185,762	\$187,742	\$189,345	\$190,989
City of Duarte	\$3,803	\$10,986	\$11,969	\$14,321	\$14,968	\$17,607	\$17,825	\$18,019	\$18,217
City of El Monte	\$8,739	\$25,249	\$32,316	\$52,179	\$53,380	\$76,372	\$76,974	\$77,333	\$77,705
City of El Segundo	\$5,037	\$14,552	\$17,107	\$23,991	\$23,681	\$32,681	\$32,996	\$33,230	\$33,471
City of Gardena	\$23,363	\$67,498	\$79,061	\$110,132	\$113,777	\$149,449	\$150,903	\$151,995	\$153,117
City of Glendale	\$109,177	\$315,421	\$355,073	\$457,031	\$474,914	\$590,983	\$597,471	\$602,836	\$608,334
City of Glendora	\$9,065	\$26,189	\$30,203	\$40,839	\$42,281	\$54,459	\$55,013	\$55,445	\$55,889
City of Hawaiian Gardens	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Hawthorne	\$15,308	\$44,226	\$51,005	\$68,966	\$71,401	\$91,967	\$92,902	\$93,633	\$94,382
City of Hermosa Beach	\$5,518	\$15,943	\$19,507	\$29,349	\$30,161	\$41,517	\$41,878	\$42,121	\$42,371
City of Hidden Hills	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Huntington Park	\$12,018	\$34,720	\$40,166	\$54,637	\$56,542	\$73,121	\$73,859	\$74,430	\$75,016
City of Industry	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Inglewood	\$3,415	\$9,867	\$18,761	\$44,955	\$45,063	\$75,630	\$75,995	\$76,025	\$76,062
City of Irwindale	\$255	\$736	\$849	\$1,148	\$1,189	\$1,531	\$1,547	\$1,559	\$1,571
City of La Canada Flintridge	\$207	\$597	\$628	\$688	\$725	\$789	\$800	\$811	\$822
City of La Habra Heights	\$359	\$1,037	\$1,205	\$1,651	\$1,707	\$2,218	\$2,241	\$2,258	\$2,275
City of La Mirada	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of La Puente	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of La Verne	\$1,943	\$5,612	\$8,949	\$18,671	\$18,834	\$30,159	\$30,330	\$30,378	\$30,429
City of Lakewood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Lancaster	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Lawndale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Long Beach	\$120,795	\$348,986	\$446,703	\$721,343	\$737,952	\$1,055,865	\$1,064,185	\$1,069,149	\$1,074,283
City of Los Angeles	\$1,453,788	\$4,200,108	\$4,721,393	\$6,058,866	\$6,297,389	\$7,819,320	\$7,905,565	\$7,977,130	\$8,050,453

LA-RICS
Cash Flow Estimates
March 2014

Annual Member Fees - Scenario 3,
 Excluding In-Kind Match and Capital
 Replacement

	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	FY 2022/23	FY 2023/24
City of Lynwood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Manhattan Beach	\$51,001	\$147,347	\$156,216	\$174,831	\$183,755	\$204,003	\$206,829	\$209,509	\$212,248
City of Maywood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Monrovia	\$20,219	\$58,414	\$66,320	\$86,893	\$90,172	\$113,647	\$114,860	\$115,844	\$116,852
City of Montebello	\$18,935	\$54,705	\$64,310	\$90,191	\$93,132	\$122,862	\$124,045	\$124,926	\$125,831
City of Monterey Park	\$9,734	\$28,121	\$31,882	\$41,650	\$43,231	\$54,374	\$54,957	\$55,431	\$55,918
City of Norwalk	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Palmdale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Palos Verdes Estates	\$2,433	\$7,029	\$8,106	\$10,960	\$11,347	\$14,616	\$14,764	\$14,880	\$15,000
City of Paramount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pasadena	\$18,446	\$53,293	\$75,623	\$139,826	\$141,925	\$216,542	\$217,970	\$218,594	\$219,248
City of Pico Rivera	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pomona	\$98,680	\$285,095	\$302,794	\$340,428	\$357,662	\$398,732	\$404,211	\$409,388	\$414,677
City of Ranchos Palos Verdes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Redondo Beach	\$12,859	\$37,149	\$48,496	\$80,571	\$82,283	\$119,450	\$120,356	\$120,867	\$121,397
City of Rolling Hills Estates	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Rosemead	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of San Dimas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of San Fernando	\$4,275	\$12,352	\$14,245	\$19,261	\$19,941	\$25,685	\$25,946	\$26,150	\$26,359
City of San Gabriel	\$24,903	\$71,948	\$82,548	\$110,480	\$114,467	\$146,417	\$147,930	\$149,126	\$150,352
City of San Marino	\$7,521	\$21,729	\$24,453	\$31,452	\$32,684	\$40,651	\$41,098	\$41,468	\$41,847
City of Santa Clarita	\$26,848	\$77,566	\$81,622	\$89,578	\$94,312	\$102,814	\$104,288	\$105,710	\$107,163
City of Santa Fe Springs	\$4,110	\$11,875	\$15,442	\$25,514	\$26,064	\$37,733	\$38,021	\$38,186	\$38,356
City of Santa Monica	\$17,233	\$49,789	\$79,625	\$166,581	\$168,012	\$269,307	\$270,831	\$271,253	\$271,705
City of Sierra Madre	\$3,303	\$9,541	\$11,216	\$15,730	\$16,243	\$21,429	\$21,635	\$21,789	\$21,946
City of Signal Hill	\$2,755	\$7,959	\$9,548	\$13,890	\$14,306	\$19,307	\$19,483	\$19,607	\$19,736
City of South El Monte	\$0	\$0	\$141	\$566	\$558	\$1,055	\$1,058	\$1,056	\$1,053
City of South Gate	\$19,453	\$56,200	\$63,473	\$82,263	\$85,437	\$106,849	\$108,009	\$108,961	\$109,937
City of South Pasadena	\$7,749	\$22,389	\$26,320	\$36,912	\$38,115	\$50,283	\$50,767	\$51,128	\$51,498
City of Temple City	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Torrance	\$17,845	\$51,557	\$79,776	\$161,775	\$163,416	\$258,888	\$260,410	\$260,894	\$261,409
City of Vernon	\$7,244	\$20,928	\$24,797	\$35,281	\$36,395	\$48,452	\$48,908	\$49,242	\$49,585
City of Walnut	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of West Covina	\$32,146	\$92,874	\$109,180	\$153,119	\$158,111	\$208,584	\$210,592	\$212,088	\$213,625
City of Westlake Village	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Whittier	\$10,084	\$29,133	\$35,460	\$52,886	\$54,381	\$74,480	\$75,135	\$75,583	\$76,043
County of Los Angeles	\$673,636	\$1,946,188	\$2,445,673	\$3,840,644	\$3,935,945	\$5,548,885	\$5,594,323	\$5,622,826	\$5,652,255
Inglewood Unified School District	\$1,687	\$4,875	\$5,622	\$7,602	\$7,871	\$10,138	\$10,241	\$10,321	\$10,404
Los Angeles Unified School District	\$42,598	\$123,068	\$152,125	\$232,738	\$238,913	\$332,011	\$334,831	\$336,679	\$338,584
UCLA	\$3,816	\$11,024	\$23,440	\$60,156	\$60,130	\$103,005	\$103,466	\$103,455	\$103,452
Total	\$3,166,369	\$9,147,888	\$10,726,879	\$14,973,219	\$15,466,545	\$20,342,516	\$20,539,776	\$20,687,633	\$20,839,514

LA-RICS
Cash Flow Estimates
March 2014

Annual Member Fees - Scenario 3,
 Excluding In-Kind Match and Capital
 Replacement

	FY 2024/25	FY 2025/26	FY 2026/27	FY 2027/28	FY 2028/29	FY 2029/30	FY 2030/31	FY 2031/32
City of Agoura Hills	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Alhambra	\$143,018	\$144,119	\$145,608	\$147,127	\$148,317	\$149,897	\$138,655	\$140,299
City of Arcadia	\$114,327	\$115,186	\$116,361	\$117,560	\$118,490	\$119,737	\$110,922	\$112,219
City of Artesia	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Avalon	\$3,562	\$3,587	\$3,623	\$3,659	\$3,686	\$3,724	\$3,462	\$3,501
City of Azusa	\$52,279	\$52,711	\$53,278	\$53,855	\$54,321	\$54,922	\$50,566	\$51,191
City of Baldwin Park	\$85,039	\$85,742	\$86,663	\$87,602	\$88,361	\$89,338	\$82,252	\$83,269
City of Bell	\$39,785	\$40,114	\$40,545	\$40,985	\$41,339	\$41,797	\$38,482	\$38,957
City of Bell Gardens	\$33,032	\$33,303	\$33,659	\$34,023	\$34,315	\$34,693	\$31,957	\$32,350
City of Bellflower	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Beverly Hills	\$261,624	\$264,520	\$267,889	\$271,326	\$274,423	\$277,999	\$250,159	\$253,879
City of Bradbury	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Burbank	\$335,692	\$338,002	\$341,297	\$344,657	\$347,165	\$350,661	\$326,535	\$330,172
City of Calabasas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Carson	\$7,716	\$7,775	\$7,855	\$7,937	\$8,001	\$8,086	\$7,482	\$7,570
City of Cerritos	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Claremont	\$71,205	\$71,880	\$72,715	\$73,566	\$74,292	\$75,177	\$68,530	\$69,451
City of Commerce	\$49,977	\$50,530	\$51,173	\$51,828	\$52,419	\$53,101	\$47,791	\$48,501
City of Compton	\$46,005	\$46,328	\$46,785	\$47,250	\$47,601	\$48,085	\$44,724	\$45,227
City of Covina	\$52,021	\$52,131	\$52,460	\$52,796	\$52,926	\$53,275	\$51,582	\$51,945
City of Culver City	\$146,897	\$147,496	\$148,636	\$149,799	\$150,466	\$151,676	\$144,518	\$145,777
City of Downey	\$193,090	\$194,817	\$197,003	\$199,233	\$201,091	\$203,412	\$186,249	\$188,663
City of Duarte	\$18,448	\$18,656	\$18,896	\$19,141	\$19,363	\$19,618	\$17,626	\$17,891
City of El Monte	\$78,344	\$78,740	\$79,405	\$80,083	\$80,520	\$81,225	\$76,769	\$77,503
City of El Segundo	\$33,805	\$34,059	\$34,407	\$34,761	\$35,036	\$35,405	\$32,798	\$33,182
City of Gardena	\$154,660	\$155,843	\$157,448	\$159,085	\$160,365	\$162,068	\$149,971	\$151,743
City of Glendale	\$615,218	\$620,989	\$628,151	\$635,458	\$641,658	\$649,259	\$592,361	\$600,270
City of Glendora	\$56,477	\$56,944	\$57,555	\$58,179	\$58,683	\$59,332	\$54,626	\$55,301
City of Hawaiian Gardens	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Hawthorne	\$95,375	\$96,163	\$97,196	\$98,250	\$99,101	\$100,197	\$92,250	\$93,390
City of Hermosa Beach	\$42,754	\$43,020	\$43,418	\$43,825	\$44,114	\$44,537	\$41,701	\$42,141
City of Hidden Hills	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Huntington Park	\$75,798	\$76,415	\$77,229	\$78,059	\$78,725	\$79,588	\$73,353	\$74,251
City of Industry	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Inglewood	\$76,449	\$76,502	\$76,905	\$77,317	\$77,393	\$77,821	\$76,236	\$76,681
City of Irwindale	\$1,588	\$1,601	\$1,618	\$1,636	\$1,650	\$1,668	\$1,536	\$1,555
City of La Canada Flintridge	\$834	\$846	\$858	\$871	\$883	\$897	\$788	\$802
City of La Habra Heights	\$2,298	\$2,317	\$2,341	\$2,366	\$2,386	\$2,412	\$2,226	\$2,253
City of La Mirada	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of La Puente	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of La Verne	\$30,611	\$30,670	\$30,859	\$31,052	\$31,122	\$31,322	\$30,377	\$30,586
City of Lakewood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Lancaster	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Lawndale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Long Beach	\$1,083,113	\$1,088,596	\$1,097,783	\$1,107,153	\$1,113,188	\$1,122,937	\$1,061,351	\$1,071,494
City of Los Angeles	\$8,141,978	\$8,218,926	\$8,314,148	\$8,411,275	\$8,493,937	\$8,594,988	\$7,837,177	\$7,942,310

LA-RICS
Cash Flow Estimates
March 2014

Annual Member Fees - Scenario 3,
 Excluding In-Kind Match and Capital
 Replacement

	FY 2024/25	FY 2025/26	FY 2026/27	FY 2027/28	FY 2028/29	FY 2029/30	FY 2030/31	FY 2031/32
City of Lynwood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Manhattan Beach	\$215,246	\$218,103	\$221,223	\$224,405	\$227,450	\$230,761	\$203,936	\$207,381
City of Maywood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Monrovia	\$118,139	\$119,199	\$120,538	\$121,905	\$123,044	\$124,466	\$113,943	\$115,422
City of Montebello	\$127,087	\$128,042	\$129,348	\$130,681	\$131,714	\$133,100	\$123,301	\$124,744
City of Monterey Park	\$56,536	\$57,047	\$57,691	\$58,348	\$58,897	\$59,580	\$54,513	\$55,224
City of Norwalk	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Palmdale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Palos Verdes Estates	\$15,157	\$15,283	\$15,447	\$15,614	\$15,749	\$15,924	\$14,661	\$14,842
City of Paramount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pasadena	\$220,763	\$221,476	\$223,053	\$224,661	\$225,469	\$227,142	\$217,925	\$219,666
City of Pico Rivera	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pomona	\$420,491	\$426,010	\$432,059	\$438,229	\$444,111	\$450,530	\$398,643	\$405,322
City of Ranchos Palos Verdes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Redondo Beach	\$122,358	\$122,926	\$123,926	\$124,946	\$125,574	\$126,635	\$120,103	\$121,208
City of Rolling Hills Estates	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Rosemead	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of San Dimas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of San Fernando	\$26,636	\$26,857	\$27,145	\$27,439	\$27,677	\$27,983	\$25,764	\$26,082
City of San Gabriel	\$151,958	\$153,248	\$154,918	\$156,622	\$158,012	\$159,785	\$146,846	\$148,690
City of San Marino	\$42,321	\$42,718	\$43,212	\$43,715	\$44,142	\$44,666	\$40,746	\$41,290
City of Santa Clarita	\$108,727	\$110,242	\$111,870	\$113,530	\$115,142	\$116,870	\$102,734	\$104,531
City of Santa Fe Springs	\$38,662	\$38,844	\$39,163	\$39,487	\$39,689	\$40,027	\$37,937	\$38,289
City of Santa Monica	\$273,323	\$273,839	\$275,522	\$277,239	\$277,856	\$279,642	\$271,259	\$273,117
City of Sierra Madre	\$22,165	\$22,332	\$22,560	\$22,792	\$22,972	\$23,214	\$21,505	\$21,757
City of Signal Hill	\$19,923	\$20,059	\$20,253	\$20,451	\$20,599	\$20,805	\$19,385	\$19,599
City of South El Monte	\$1,056	\$1,054	\$1,057	\$1,061	\$1,059	\$1,062	\$1,066	\$1,069
City of South Gate	\$111,169	\$112,193	\$113,474	\$114,781	\$115,883	\$117,242	\$107,110	\$108,524
City of South Pasadena	\$52,012	\$52,403	\$52,937	\$53,483	\$53,906	\$54,473	\$50,463	\$51,053
City of Temple City	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Torrance	\$263,024	\$263,604	\$265,284	\$266,998	\$267,678	\$269,461	\$260,712	\$262,567
City of Vernon	\$50,070	\$50,432	\$50,936	\$51,450	\$51,843	\$52,378	\$48,634	\$49,191
City of Walnut	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of West Covina	\$215,757	\$217,378	\$219,596	\$221,858	\$223,613	\$225,966	\$209,330	\$211,779
City of Westlake Village	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Whittier	\$76,739	\$77,228	\$77,952	\$78,690	\$79,222	\$79,990	\$74,803	\$75,602
County of Los Angeles	\$5,700,474	\$5,731,813	\$5,781,980	\$5,833,151	\$5,867,500	\$5,920,738	\$5,576,136	\$5,631,525
Inglewood Unified School District	\$10,513	\$10,600	\$10,714	\$10,830	\$10,924	\$11,045	\$10,169	\$10,295
Los Angeles Unified School District	\$341,577	\$343,601	\$346,714	\$349,889	\$352,100	\$355,403	\$333,548	\$336,985
UCLA	\$103,941	\$103,958	\$104,467	\$104,986	\$105,034	\$105,574	\$103,865	\$104,427
Total	\$21,048,847	\$21,209,019	\$21,426,809	\$21,648,955	\$21,822,196	\$22,053,317	\$20,414,047	\$20,654,505

LA-RICS
Cash Flow Estimates
March 2014

Annual Costs - Scenario 8, Excluding In-Kind Match and
Adding HSS Additive Alt Maintenance

	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	FY 2022/23	FY 2023/24
LMR									
Operations and Maintenance (from Phase 5 LMR Contract)				\$4,011,090	\$3,904,394	\$3,797,698	\$3,797,698	\$3,744,351	\$3,691,003
Capital Replacement						\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841
Administration			\$1,343,528	\$1,370,398	\$1,397,806	\$1,425,762	\$1,454,278	\$1,483,363	\$1,513,031
LMR Total			\$1,343,528	\$5,381,488	\$5,302,200	\$10,030,302	\$10,058,817	\$10,034,555	\$10,010,875
LTE									
Hard Match (from BTOP grant budget narrative)	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012
In-Kind	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Operations and Maintenance (includes Maintenance of HSS)		\$5,971,773	\$6,180,892	\$6,362,401	\$6,907,607	\$7,027,521	\$7,168,071	\$7,311,433	\$7,457,662
Capital Replacement		\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733
Administration	\$1,291,357	\$1,317,184	\$1,343,528	\$1,370,398	\$1,397,806	\$1,425,762	\$1,454,278	\$1,483,363	\$1,513,031
LTE Total	\$3,166,369	\$12,616,702	\$12,852,165	\$13,060,545	\$13,633,159	\$13,781,029	\$13,950,094	\$14,122,541	\$14,298,437
Total LMR+LTE	\$3,166,369	\$12,616,702	\$14,195,693	\$18,442,033	\$18,935,359	\$23,811,330	\$24,008,911	\$24,157,097	\$24,309,312

Interest Rates

Loan rate for hard match	5.00%
Investment rate for capital replacement sinking fund	0.625%
LTE O&M inflation (after 5th year)	2%
Administration	2%

Note: LMR and LTE O&M based on
respective contracts. In funding model,
annual O&M is averaged using straight line
method.

LA-RICS
Cash Flow Estimates
March 2014

Annual Costs - Scenario 8, Excluding In-Kind Match and
Adding HSS Additive Alt Maintenance

	FY 2024/25	FY 2025/26	FY 2026/27	FY 2027/28	FY 2028/29	FY 2029/30	FY 2030/31	FY 2031/32	Total
LMR									
Operations and Maintenance (from Phase 5 LMR Contract)	\$3,691,003	\$3,637,655	\$3,637,655	\$3,637,655	\$3,584,307	\$3,584,307	\$3,584,307	\$3,584,307	\$51,887,430
Capital Replacement	\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841	\$57,682,093
Administration	\$1,543,291	\$1,574,157	\$1,605,640	\$1,637,753	\$1,670,508	\$1,703,918	\$1,737,996	\$1,772,756	\$23,234,187
LMR Total	\$10,041,135	\$10,018,653	\$10,050,136	\$10,082,249	\$10,061,656	\$10,095,066	\$10,129,145	\$10,163,905	
LTE									
Hard Match (from BTOP grant budget narrative)	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$0	\$0	\$28,125,185
In-Kind	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Operations and Maintenance (includes Maintenance of HSS)	\$7,606,815	\$7,758,951	\$7,914,130	\$8,072,413	\$8,233,861	\$8,398,538	\$8,566,509	\$8,737,839	\$119,676,415
Capital Replacement	\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733	\$3,452,733	\$55,243,728
Administration	\$1,543,291	\$1,574,157	\$1,605,640	\$1,637,753	\$1,670,508	\$1,703,918	\$1,737,996	\$1,772,756	\$25,842,728
LTE Total	\$14,477,851	\$14,660,853	\$14,847,516	\$15,037,911	\$15,232,114	\$15,430,202	\$13,757,238	\$13,963,328	
Total LMR+LTE	\$24,518,987	\$24,679,506	\$24,897,652	\$25,120,160	\$25,293,770	\$25,525,268	\$23,886,383	\$24,127,233	

Interest Rates

Loan rate for hard match	5.00%
Investment rate for capital replacement sinking fund	0.625%
LTE O&M inflation (after 5th year)	2%
Administration	2%

Note: LMR and LTE O&M based on
respective contracts. In funding model,
annual O&M is averaged using straight line
method.

LA-RICS

Cash Flow Estimates

March 2014

Annual Member Fees - Scenario 8, Excluding In-Kind Match and Adding HSS Additive Alt Maintenance

	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	FY 2022/23	FY 2023/24
City of Agoura Hills	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Alhambra	\$21,706	\$86,490	\$97,144	\$125,740	\$129,132	\$161,957	\$163,307	\$164,326	\$165,373
City of Arcadia	\$17,034	\$67,874	\$76,514	\$99,797	\$102,442	\$129,187	\$130,253	\$131,048	\$131,864
City of Artesia	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Avalon	\$507	\$2,021	\$2,299	\$3,056	\$3,134	\$4,004	\$4,036	\$4,060	\$4,084
City of Azusa	\$8,391	\$33,435	\$37,151	\$46,996	\$48,331	\$59,604	\$60,117	\$60,518	\$60,930
City of Baldwin Park	\$13,649	\$54,386	\$60,431	\$76,445	\$78,616	\$96,953	\$97,788	\$98,441	\$99,110
City of Bell	\$6,386	\$25,445	\$28,272	\$35,765	\$36,780	\$45,359	\$45,750	\$46,055	\$46,369
City of Bell Gardens	\$5,272	\$21,008	\$23,367	\$29,627	\$30,464	\$37,633	\$37,957	\$38,208	\$38,466
City of Bellflower	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Beverly Hills	\$53,173	\$211,874	\$226,100	\$260,472	\$269,482	\$308,114	\$311,171	\$313,882	\$316,654
City of Bradbury	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Burbank	\$46,764	\$186,334	\$212,975	\$285,672	\$292,762	\$376,464	\$379,453	\$381,581	\$383,771
City of Calabasas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Carson	\$1,166	\$4,647	\$5,224	\$6,773	\$6,955	\$8,733	\$8,806	\$8,861	\$8,917
City of Cerritos	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Claremont	\$12,751	\$50,809	\$55,354	\$67,000	\$69,094	\$82,344	\$83,102	\$83,731	\$84,376
City of Commerce	\$10,143	\$40,416	\$43,139	\$49,724	\$51,443	\$58,845	\$59,429	\$59,946	\$60,474
City of Compton	\$6,511	\$25,945	\$29,556	\$39,382	\$40,375	\$51,683	\$52,097	\$52,395	\$52,702
City of Covina	\$3,460	\$13,788	\$19,397	\$35,707	\$36,017	\$55,009	\$55,307	\$55,399	\$55,497
City of Culver City	\$14,172	\$56,468	\$70,585	\$110,779	\$112,571	\$159,204	\$160,238	\$160,774	\$161,331
City of Downey	\$32,979	\$131,408	\$144,356	\$178,070	\$183,415	\$221,891	\$223,874	\$225,481	\$227,128
City of Duarte	\$3,803	\$15,152	\$16,135	\$18,487	\$19,134	\$21,773	\$21,991	\$22,186	\$22,385
City of El Monte	\$8,739	\$34,823	\$41,891	\$61,753	\$62,955	\$85,947	\$86,549	\$86,910	\$87,282
City of El Segundo	\$5,037	\$20,069	\$22,624	\$29,509	\$30,291	\$38,199	\$38,514	\$38,749	\$38,991
City of Gardena	\$23,363	\$93,092	\$104,656	\$135,727	\$139,372	\$175,044	\$176,500	\$177,595	\$178,719
City of Glendale	\$109,177	\$435,027	\$474,679	\$576,637	\$594,520	\$710,589	\$717,087	\$722,464	\$727,973
City of Glendora	\$9,065	\$36,120	\$40,134	\$50,769	\$52,211	\$64,389	\$64,944	\$65,378	\$65,822
City of Hawaiian Gardens	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Hawthorne	\$15,308	\$60,997	\$67,776	\$85,736	\$88,172	\$108,737	\$109,674	\$110,406	\$111,157
City of Hermosa Beach	\$5,518	\$21,989	\$25,553	\$35,394	\$36,206	\$47,562	\$47,924	\$48,167	\$48,418
City of Hidden Hills	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Huntington Park	\$12,018	\$47,886	\$53,331	\$67,803	\$69,707	\$86,287	\$87,025	\$87,598	\$88,185
City of Industry	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Inglewood	\$3,415	\$13,608	\$22,503	\$48,696	\$48,804	\$79,371	\$79,737	\$79,767	\$79,804
City of Irwindale	\$255	\$1,016	\$1,128	\$1,427	\$1,468	\$1,810	\$1,826	\$1,838	\$1,851
City of La Canada Flintridge	\$207	\$824	\$855	\$915	\$951	\$1,015	\$1,026	\$1,037	\$1,049
City of La Habra Heights	\$859	\$1,431	\$1,598	\$2,044	\$2,100	\$2,612	\$2,634	\$2,651	\$2,668
City of La Mirada	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of La Puente	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of La Verne	\$1,943	\$7,740	\$11,077	\$20,799	\$20,962	\$32,287	\$32,458	\$32,506	\$32,558
City of Lakewood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Lancaster	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Lawndale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

LA-RICS
Cash Flow Estimates
March 2014

Annual Member Fees - Scenario 8, Excluding In-Kind Match and Adding HSS Additive Alt Maintenance

	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	FY 2022/23	FY 2023/24
City of Long Beach	\$120,795	\$481,319	\$579,036	\$853,676	\$870,285	\$1,188,198	\$1,196,531	\$1,201,507	\$1,206,653
City of Los Angeles	\$1,453,788	\$5,792,759	\$6,314,044	\$7,651,517	\$7,890,040	\$9,411,970	\$9,498,364	\$9,570,079	\$9,643,556
City of Lynwood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Manhattan Beach	\$51,001	\$203,219	\$212,089	\$230,704	\$239,627	\$259,876	\$262,707	\$265,393	\$268,136
City of Maywood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Monrovia	\$20,219	\$80,564	\$88,470	\$109,043	\$112,322	\$135,797	\$137,012	\$137,998	\$139,008
City of Montebello	\$18,935	\$75,449	\$85,054	\$110,935	\$113,876	\$143,606	\$144,791	\$145,674	\$146,581
City of Monterey Park	\$9,734	\$38,784	\$42,545	\$52,314	\$53,895	\$65,037	\$65,621	\$66,097	\$66,584
City of Norwalk	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Palmdale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Palos Verdes Estates	\$2,433	\$9,694	\$10,771	\$13,626	\$14,013	\$17,281	\$17,430	\$17,546	\$17,666
City of Paramount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pasadena	\$18,446	\$73,501	\$95,831	\$160,034	\$162,133	\$236,751	\$238,180	\$238,806	\$239,462
City of Pico Rivera	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pomona	\$98,680	\$393,201	\$410,900	\$448,534	\$465,768	\$506,838	\$512,327	\$517,514	\$522,813
City of Ranchos Palos Verdes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Redondo Beach	\$12,859	\$51,236	\$62,583	\$94,658	\$96,370	\$133,537	\$134,444	\$134,956	\$135,488
City of Rolling Hills Estates	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Rosemead	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of San Dimas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of San Fernando	\$4,275	\$17,035	\$18,928	\$23,945	\$24,625	\$30,368	\$30,630	\$30,834	\$31,044
City of San Gabriel	\$24,903	\$99,230	\$109,830	\$137,762	\$141,749	\$173,699	\$175,215	\$176,413	\$177,642
City of San Marino	\$7,521	\$29,969	\$32,692	\$39,691	\$40,924	\$48,891	\$49,338	\$49,709	\$50,089
City of Santa Clarita	\$26,848	\$106,978	\$111,034	\$118,991	\$123,724	\$132,226	\$133,703	\$135,128	\$136,583
City of Santa Fe Springs	\$4,110	\$16,378	\$19,945	\$30,016	\$30,567	\$42,236	\$42,524	\$42,689	\$42,860
City of Santa Monica	\$17,233	\$68,668	\$98,505	\$185,461	\$186,892	\$288,187	\$289,713	\$290,136	\$290,590
City of Sierra Madre	\$3,303	\$13,159	\$14,834	\$19,348	\$19,861	\$25,047	\$25,253	\$25,407	\$25,565
City of Signal Hill	\$2,755	\$10,977	\$12,566	\$16,908	\$17,324	\$22,324	\$22,501	\$22,626	\$22,755
City of South El Monte	\$0	\$0	\$141	\$566	\$558	\$1,055	\$1,058	\$1,056	\$1,053
City of South Gate	\$19,453	\$77,511	\$84,783	\$103,574	\$106,748	\$128,159	\$129,322	\$130,276	\$131,254
City of South Pasadena	\$7,749	\$30,878	\$34,809	\$45,402	\$46,605	\$58,772	\$59,257	\$59,619	\$59,990
City of Temple City	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Torrance	\$17,845	\$71,107	\$99,326	\$181,326	\$182,966	\$278,438	\$279,961	\$280,448	\$280,965
City of Vernon	\$7,244	\$28,864	\$32,732	\$43,217	\$44,331	\$56,387	\$56,845	\$57,179	\$57,523
City of Walnut	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of West Covina	\$32,146	\$128,091	\$144,397	\$188,336	\$193,328	\$243,801	\$245,813	\$247,312	\$248,852
City of Westlake Village	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Whittier	\$10,084	\$40,179	\$46,507	\$63,933	\$65,428	\$85,526	\$86,183	\$86,632	\$87,093
County of Los Angeles	\$673,636	\$2,684,169	\$3,183,653	\$4,578,625	\$4,673,926	\$6,286,866	\$6,332,372	\$6,360,945	\$6,390,445
Inglewood Unified School District	\$1,687	\$6,724	\$7,471	\$9,451	\$9,719	\$11,986	\$12,090	\$12,170	\$12,253
Los Angeles Unified School District	\$42,598	\$169,734	\$198,791	\$279,404	\$285,580	\$378,678	\$381,502	\$383,354	\$385,264
UCLA	\$3,816	\$15,204	\$27,621	\$64,336	\$64,310	\$107,186	\$107,647	\$107,636	\$107,634
Total	\$3,166,369	\$12,616,702	\$14,195,693	\$18,442,033	\$18,935,359	\$23,811,330	\$24,008,911	\$24,157,097	\$24,309,312

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Cash Flow Estimates
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Annual Member Fees - Scenario 8, Excluding In-Kind Match and Adding HSS Additive Alt Maintenance

	FY 2024/25	FY 2025/26	FY 2026/27	FY 2027/28	FY 2028/29	FY 2029/30	FY 2030/31	FY 2031/32
City of Agoura Hills	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Alhambra	\$166,806	\$167,910	\$169,401	\$170,922	\$172,115	\$173,698	\$162,459	\$164,105
City of Arcadia	\$132,995	\$133,856	\$135,033	\$136,234	\$137,166	\$138,415	\$129,602	\$130,901
City of Artesia	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Avalon	\$4,118	\$4,143	\$4,179	\$4,215	\$4,242	\$4,280	\$4,018	\$4,057
City of Azusa	\$61,475	\$61,908	\$62,476	\$63,054	\$63,521	\$64,123	\$59,768	\$60,394
City of Baldwin Park	\$99,997	\$100,702	\$101,624	\$102,565	\$103,325	\$104,304	\$97,220	\$98,239
City of Bell	\$46,784	\$47,113	\$47,545	\$47,985	\$48,341	\$48,799	\$45,484	\$45,961
City of Bell Gardens	\$38,810	\$39,081	\$39,438	\$39,802	\$40,095	\$40,474	\$37,739	\$38,133
City of Bellflower	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Beverly Hills	\$319,899	\$322,800	\$326,175	\$329,618	\$332,722	\$336,304	\$308,470	\$312,197
City of Bradbury	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Burbank	\$386,942	\$389,257	\$392,557	\$395,923	\$398,436	\$401,937	\$377,817	\$381,460
City of Calabasas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Carson	\$8,994	\$9,053	\$9,134	\$9,215	\$9,279	\$9,365	\$8,761	\$8,849
City of Cerritos	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Claremont	\$85,180	\$85,857	\$86,692	\$87,545	\$88,272	\$89,159	\$82,513	\$83,436
City of Commerce	\$61,094	\$61,647	\$62,291	\$62,948	\$63,540	\$64,223	\$58,914	\$59,625
City of Compton	\$53,141	\$53,465	\$53,922	\$54,388	\$54,740	\$55,225	\$51,864	\$52,369
City of Covina	\$55,814	\$55,924	\$56,253	\$56,589	\$56,720	\$57,069	\$55,376	\$55,740
City of Culver City	\$162,428	\$163,029	\$164,170	\$165,335	\$166,004	\$167,215	\$160,059	\$161,319
City of Downey	\$229,233	\$230,963	\$233,153	\$235,387	\$237,249	\$239,573	\$222,415	\$224,833
City of Duarte	\$22,616	\$22,824	\$23,064	\$23,310	\$23,532	\$23,788	\$21,796	\$22,062
City of El Monte	\$87,922	\$88,319	\$88,985	\$89,664	\$90,102	\$90,808	\$86,353	\$87,088
City of El Segundo	\$39,325	\$39,580	\$39,928	\$40,283	\$40,558	\$40,928	\$38,322	\$38,706
City of Gardena	\$180,265	\$181,450	\$183,058	\$184,698	\$185,980	\$187,686	\$175,591	\$177,366
City of Glendale	\$734,870	\$740,652	\$747,827	\$755,146	\$761,358	\$768,973	\$712,088	\$720,010
City of Glendora	\$66,411	\$66,879	\$67,492	\$68,117	\$68,621	\$69,272	\$64,567	\$65,243
City of Hawaiian Gardens	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Hawthorne	\$112,152	\$112,942	\$113,977	\$115,032	\$115,884	\$116,982	\$109,037	\$110,179
City of Hermosa Beach	\$48,802	\$49,068	\$49,467	\$49,875	\$50,165	\$50,588	\$47,753	\$48,193
City of Hidden Hills	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Huntington Park	\$88,969	\$89,587	\$90,402	\$91,233	\$91,901	\$92,766	\$86,532	\$87,432
City of Industry	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Inglewood	\$80,192	\$80,245	\$80,649	\$81,061	\$81,138	\$81,566	\$79,981	\$80,427
City of Irwindale	\$1,867	\$1,880	\$1,898	\$1,915	\$1,929	\$1,948	\$1,815	\$1,834
City of La Canada Flintridge	\$1,061	\$1,072	\$1,085	\$1,098	\$1,110	\$1,123	\$1,015	\$1,028
City of La Habra Heights	\$2,692	\$2,710	\$2,735	\$2,760	\$2,780	\$2,806	\$2,619	\$2,646
City of La Mirada	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of La Puente	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of La Verne	\$32,740	\$32,799	\$32,988	\$33,181	\$33,252	\$33,452	\$32,507	\$32,716
City of Lakewood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Lancaster	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Lawndale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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Cash Flow Estimates
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Annual Member Fees - Scenario 8, Excluding In-Kind Match and Adding HSS Additive Alt Maintenance

	FY 2024/25	FY 2025/26	FY 2026/27	FY 2027/28	FY 2028/29	FY 2029/30	FY 2030/31	FY 2031/32
City of Long Beach	\$1,215,496	\$1,220,993	\$1,230,193	\$1,239,578	\$1,245,626	\$1,255,390	\$1,193,818	\$1,203,976
City of Los Angeles	\$9,735,237	\$9,812,346	\$9,907,731	\$10,005,023	\$10,087,856	\$10,189,079	\$9,431,445	\$9,536,758
City of Lynwood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Manhattan Beach	\$271,140	\$274,003	\$277,129	\$280,317	\$283,367	\$286,684	\$259,866	\$263,317
City of Maywood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Monrovia	\$140,298	\$141,360	\$142,702	\$144,070	\$145,212	\$146,636	\$136,116	\$137,598
City of Montebello	\$147,839	\$148,796	\$150,104	\$151,439	\$152,474	\$153,863	\$144,066	\$145,511
City of Monterey Park	\$67,204	\$67,715	\$68,360	\$69,018	\$69,569	\$70,253	\$65,187	\$65,900
City of Norwalk	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Palmdale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Palos Verdes Estates	\$17,824	\$17,949	\$18,114	\$18,281	\$18,417	\$18,591	\$17,329	\$17,510
City of Paramount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pasadena	\$240,979	\$241,694	\$243,273	\$244,883	\$245,693	\$247,368	\$238,154	\$239,897
City of Pico Rivera	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pomona	\$528,638	\$534,168	\$540,228	\$546,410	\$552,303	\$558,734	\$506,859	\$513,550
City of Ranchos Palos Verdes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Redondo Beach	\$136,450	\$137,019	\$138,021	\$139,043	\$139,672	\$140,735	\$134,204	\$135,310
City of Rolling Hills Estates	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Rosemead	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of San Dimas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of San Fernando	\$31,322	\$31,543	\$31,831	\$32,126	\$32,364	\$32,671	\$30,452	\$30,771
City of San Gabriel	\$179,250	\$180,543	\$182,216	\$183,923	\$185,316	\$187,092	\$174,156	\$176,003
City of San Marino	\$50,564	\$50,962	\$51,456	\$51,960	\$52,388	\$52,913	\$48,994	\$49,539
City of Santa Clarita	\$138,151	\$139,668	\$141,299	\$142,963	\$144,578	\$146,309	\$132,176	\$133,977
City of Santa Fe Springs	\$43,167	\$43,350	\$43,668	\$43,993	\$44,195	\$44,534	\$42,445	\$42,797
City of Santa Monica	\$292,209	\$292,728	\$294,413	\$296,131	\$296,751	\$298,539	\$290,158	\$292,018
City of Sierra Madre	\$25,785	\$25,952	\$26,180	\$26,413	\$26,593	\$26,836	\$25,127	\$25,379
City of Signal Hill	\$22,942	\$23,078	\$23,273	\$23,472	\$23,619	\$23,826	\$22,406	\$22,621
City of South El Monte	\$1,056	\$1,054	\$1,057	\$1,061	\$1,059	\$1,062	\$1,066	\$1,069
City of South Gate	\$132,487	\$133,514	\$134,797	\$136,106	\$137,210	\$138,572	\$128,442	\$129,859
City of South Pasadena	\$60,505	\$60,897	\$61,432	\$61,978	\$62,402	\$62,970	\$58,961	\$59,552
City of Temple City	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Torrance	\$282,582	\$283,163	\$284,845	\$286,561	\$287,244	\$289,029	\$280,282	\$282,139
City of Vernon	\$58,008	\$58,371	\$58,876	\$59,392	\$59,785	\$60,321	\$56,578	\$57,136
City of Walnut	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of West Covina	\$250,987	\$252,612	\$254,834	\$257,099	\$258,858	\$261,215	\$244,583	\$247,035
City of Westlake Village	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Whittier	\$87,790	\$88,280	\$89,005	\$89,745	\$90,278	\$91,047	\$85,861	\$86,662
County of Los Angeles	\$6,438,737	\$6,470,150	\$6,520,393	\$6,571,640	\$6,606,068	\$6,659,386	\$6,314,866	\$6,370,338
Inglewood Unified School District	\$12,363	\$12,450	\$12,564	\$12,680	\$12,774	\$12,895	\$12,020	\$12,145
Los Angeles Unified School District	\$388,261	\$390,290	\$393,407	\$396,588	\$398,803	\$402,112	\$380,262	\$383,705
UCLA	\$108,123	\$108,141	\$108,650	\$109,169	\$109,217	\$109,758	\$108,050	\$108,612
Total	\$24,518,987	\$24,679,506	\$24,897,652	\$25,120,160	\$25,293,770	\$25,525,268	\$23,886,383	\$24,127,233

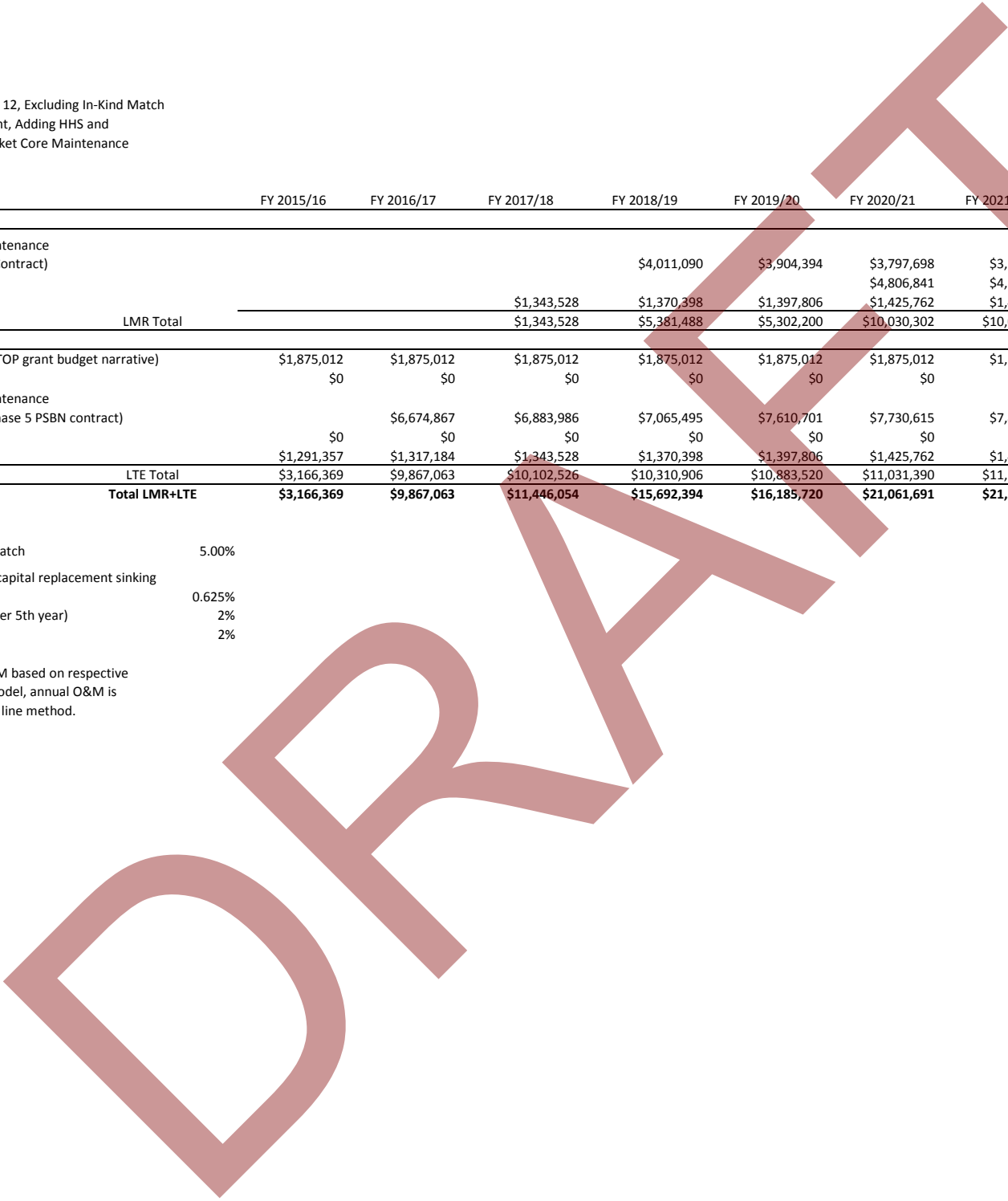
LA-RICS
Cash Flow Estimates
March 2014

Annual Costs - Scenario 12, Excluding In-Kind Match
and Capital Replacement, Adding HHS and
Redundant Evolved Packet Core Maintenance

	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	FY 2022/23	FY 2023/24
LMR									
Operations and Maintenance (from Phase 5 LMR Contract)				\$4,011,090	\$3,904,394	\$3,797,698	\$3,797,698	\$3,744,351	\$3,691,003
Capital Replacement						\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841
Administration			\$1,343,528	\$1,370,398	\$1,397,806	\$1,425,762	\$1,454,278	\$1,483,363	\$1,513,031
LMR Total			\$1,343,528	\$5,381,488	\$5,302,200	\$10,030,302	\$10,058,817	\$10,034,555	\$10,010,875
LTE									
Hard Match (from BTOP grant budget narrative)	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012
In-Kind	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Operations and Maintenance (first 5 years from Phase 5 PSBN contract)		\$6,674,867	\$6,883,986	\$7,065,495	\$7,610,701	\$7,730,615	\$7,885,227	\$8,042,932	\$8,203,790
Capital Replacement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Administration	\$1,291,357	\$1,317,184	\$1,343,528	\$1,370,398	\$1,397,806	\$1,425,762	\$1,454,278	\$1,483,363	\$1,513,031
LTE Total	\$3,166,369	\$9,867,063	\$10,102,526	\$10,310,906	\$10,883,520	\$11,031,390	\$11,214,517	\$11,401,307	\$11,591,833
Total LMR+LTE	\$3,166,369	\$9,867,063	\$11,446,054	\$15,692,394	\$16,185,720	\$21,061,691	\$21,273,334	\$21,435,863	\$21,602,708

Interest Rates	
Loan rate for hard match	5.00%
Investment rate for capital replacement sinking fund	0.625%
LTE O&M inflation (after 5th year)	2%
Administration	2%

Note: LMR and LTE O&M based on respective contracts. In funding model, annual O&M is averaged using straight line method.



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Cash Flow Estimates
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Annual Costs - Scenario 12, Excluding In-Kind Match
and Capital Replacement, Adding HHS and
Redundant Evolved Packet Core Maintenance

	FY 2024/25	FY 2025/26	FY 2026/27	FY 2027/28	FY 2028/29	FY 2029/30	FY 2030/31	FY 2031/32	Total
LMR									
Operations and Maintenance (from Phase 5 LMR Contract)	\$3,691,003	\$3,637,655	\$3,637,655	\$3,637,655	\$3,584,307	\$3,584,307	\$3,584,307	\$3,584,307	\$51,887,430
Capital Replacement	\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841	\$4,806,841	\$57,682,093
Administration	\$1,543,291	\$1,574,157	\$1,605,640	\$1,637,753	\$1,670,508	\$1,703,918	\$1,737,996	\$1,772,756	\$23,234,187
LMR Total	\$10,041,135	\$10,018,653	\$10,050,136	\$10,082,249	\$10,061,656	\$10,095,066	\$10,129,145	\$10,163,905	
LTE									
Hard Match (from BTOP grant budget narrative)	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$1,875,012	\$0	\$0	\$28,125,185
In-Kind	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Operations and Maintenance (first 5 years from Phase 5 PSBN contract)	\$8,367,866	\$8,535,224	\$8,705,928	\$8,880,047	\$9,057,648	\$9,238,801	\$9,423,577	\$9,612,048	\$131,918,751
Capital Replacement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Administration	\$1,543,291	\$1,574,157	\$1,605,640	\$1,637,753	\$1,670,508	\$1,703,918	\$1,737,996	\$1,772,756	\$25,842,728
LTE Total	\$11,786,170	\$11,984,393	\$12,186,581	\$12,392,812	\$12,603,168	\$12,817,731	\$11,161,573	\$11,384,805	
Total LMR+LTE	\$21,827,305	\$22,003,046	\$22,236,717	\$22,475,061	\$22,664,824	\$22,912,797	\$21,290,718	\$21,548,709	

Interest Rates	
Loan rate for hard match	5.00%
Investment rate for capital replacement sinking fund	0.625%
LTE O&M inflation (after 5th year)	2%
Administration	2%

Note: LMR and LTE O&M based on respective contracts. In funding model, annual O&M is averaged using straight line method.

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Cash Flow Estimates
March 2014

Annual Costs - Scenario 12, Excluding In-Kind
 Match and Capital Replacement, Adding HHS
 and Redundant Evolved Packet Core

Maintenance	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	FY 2022/23	FY 2023/24
City of Agoura Hills	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Alhambra	\$21,706	\$67,641	\$78,294	\$106,891	\$110,282	\$143,107	\$144,555	\$145,672	\$146,819
City of Arcadia	\$17,034	\$53,082	\$61,722	\$85,005	\$87,650	\$114,395	\$115,537	\$116,408	\$117,303
City of Artesia	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Avalon	\$507	\$1,580	\$1,859	\$2,616	\$2,693	\$3,564	\$3,598	\$3,624	\$3,650
City of Azusa	\$8,391	\$26,148	\$29,864	\$39,709	\$41,044	\$52,317	\$52,868	\$53,307	\$53,757
City of Baldwin Park	\$13,649	\$42,533	\$48,578	\$64,592	\$66,763	\$85,100	\$85,996	\$86,711	\$87,443
City of Bell	\$6,386	\$19,899	\$22,727	\$30,219	\$31,235	\$39,814	\$40,233	\$40,567	\$40,910
City of Bell Gardens	\$5,272	\$16,429	\$18,789	\$25,048	\$25,886	\$33,055	\$33,402	\$33,677	\$33,960
City of Bellflower	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Beverly Hills	\$53,173	\$165,699	\$179,925	\$214,297	\$223,307	\$261,939	\$265,232	\$268,183	\$271,202
City of Bradbury	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Burbank	\$46,764	\$145,725	\$172,367	\$245,063	\$252,153	\$335,855	\$339,052	\$341,392	\$343,798
City of Calabasas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Carson	\$1,166	\$3,634	\$4,211	\$5,760	\$5,942	\$7,721	\$7,799	\$7,859	\$7,920
City of Cerritos	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Claremont	\$12,751	\$39,736	\$44,280	\$55,927	\$58,021	\$71,271	\$72,085	\$72,772	\$73,476
City of Commerce	\$10,143	\$31,608	\$34,331	\$40,916	\$42,634	\$50,037	\$50,666	\$51,229	\$51,804
City of Compton	\$6,511	\$20,291	\$23,902	\$33,728	\$34,721	\$46,029	\$46,472	\$46,799	\$47,136
City of Covina	\$3,460	\$10,783	\$16,392	\$32,701	\$33,012	\$52,004	\$52,318	\$52,425	\$52,539
City of Culver City	\$14,172	\$44,162	\$58,279	\$98,473	\$100,265	\$146,898	\$147,995	\$148,595	\$149,217
City of Downey	\$32,979	\$102,769	\$115,717	\$149,432	\$154,776	\$193,252	\$195,382	\$197,138	\$198,937
City of Duarte	\$3,803	\$11,850	\$12,832	\$15,185	\$15,832	\$18,471	\$18,706	\$18,918	\$19,134
City of El Monte	\$8,739	\$27,234	\$34,301	\$54,164	\$55,365	\$78,357	\$78,999	\$79,399	\$79,811
City of El Segundo	\$5,037	\$15,696	\$18,251	\$25,135	\$25,917	\$33,825	\$34,163	\$34,421	\$34,685
City of Gardena	\$23,363	\$72,804	\$84,368	\$115,439	\$119,084	\$154,756	\$156,315	\$157,516	\$158,749
City of Glendale	\$109,177	\$340,219	\$379,871	\$481,828	\$499,711	\$615,781	\$622,764	\$628,635	\$634,649
City of Glendora	\$9,065	\$28,248	\$32,262	\$42,897	\$44,340	\$56,518	\$57,113	\$57,587	\$58,074
City of Hawaiian Gardens	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Hawthorne	\$15,308	\$47,703	\$54,482	\$72,443	\$74,878	\$95,444	\$96,449	\$97,250	\$98,072
City of Hermosa Beach	\$5,518	\$17,197	\$20,761	\$30,602	\$31,414	\$42,770	\$43,156	\$43,425	\$43,701
City of Hidden Hills	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Huntington Park	\$12,018	\$37,450	\$42,895	\$57,367	\$59,271	\$75,851	\$76,643	\$77,269	\$77,912
City of Industry	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Inglewood	\$3,415	\$10,643	\$19,537	\$45,731	\$45,838	\$76,405	\$76,786	\$76,832	\$76,885
City of Irwindale	\$255	\$794	\$907	\$1,206	\$1,247	\$1,589	\$1,606	\$1,619	\$1,633
City of La Canada Flintridge	\$207	\$644	\$675	\$735	\$772	\$836	\$848	\$860	\$872
City of La Habra Heights	\$359	\$1,119	\$1,286	\$1,732	\$1,789	\$2,300	\$2,324	\$2,342	\$2,362
City of La Mirada	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of La Puente	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of La Verne	\$1,943	\$6,053	\$9,390	\$19,112	\$19,275	\$30,600	\$30,780	\$30,837	\$30,898
City of Lakewood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Lancaster	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Lawndale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Long Beach	\$120,795	\$376,422	\$474,139	\$748,780	\$765,388	\$1,083,301	\$1,092,170	\$1,097,694	\$1,103,398
City of Los Angeles	\$1,453,788	\$4,530,306	\$5,051,591	\$6,389,064	\$6,627,587	\$8,149,517	\$8,242,367	\$8,320,667	\$8,400,862

LA-RICS
Cash Flow Estimates
March 2014

Annual Costs - Scenario 12, Excluding In-Kind
Match and Capital Replacement, Adding HHS
and Redundant Evolved Packet Core

Maintenance	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	FY 2022/23	FY 2023/24
City of Lynwood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Manhattan Beach	\$51,001	\$158,930	\$167,800	\$186,415	\$195,338	\$215,587	\$218,644	\$221,561	\$224,540
City of Maywood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Monrovia	\$20,219	\$63,007	\$70,912	\$91,485	\$94,764	\$118,239	\$119,544	\$120,621	\$121,725
City of Montebello	\$18,935	\$59,006	\$68,611	\$94,492	\$97,433	\$127,162	\$128,432	\$129,401	\$130,395
City of Monterey Park	\$9,734	\$30,332	\$34,093	\$43,861	\$45,442	\$56,585	\$57,212	\$57,731	\$58,264
City of Norwalk	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Palmdale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Palos Verdes Estates	\$2,433	\$7,581	\$8,659	\$11,513	\$11,900	\$15,168	\$15,328	\$15,455	\$15,586
City of Paramount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pasadena	\$18,446	\$57,482	\$79,812	\$144,016	\$146,115	\$220,732	\$222,244	\$222,953	\$223,694
City of Pico Rivera	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pomona	\$98,680	\$307,508	\$325,207	\$362,841	\$380,075	\$421,145	\$427,072	\$432,707	\$438,462
City of Ranchos Palos Verdes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Redondo Beach	\$12,859	\$40,070	\$51,417	\$83,492	\$85,204	\$122,370	\$123,335	\$123,906	\$124,496
City of Rolling Hills Estates	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Rosemead	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of San Dimas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of San Fernando	\$4,275	\$13,323	\$15,216	\$20,232	\$20,912	\$26,656	\$26,936	\$27,160	\$27,390
City of San Gabriel	\$24,903	\$77,604	\$88,204	\$116,136	\$120,124	\$152,074	\$153,699	\$155,011	\$156,355
City of San Marino	\$7,521	\$23,438	\$26,161	\$33,160	\$34,393	\$42,360	\$42,841	\$43,245	\$43,660
City of Santa Clarita	\$26,848	\$83,663	\$87,720	\$95,676	\$100,410	\$108,912	\$110,508	\$112,055	\$113,634
City of Santa Fe Springs	\$4,110	\$12,809	\$16,375	\$26,447	\$26,998	\$38,666	\$38,973	\$39,157	\$39,347
City of Santa Monica	\$17,233	\$53,703	\$83,540	\$170,495	\$171,927	\$273,221	\$274,824	\$275,325	\$275,859
City of Sierra Madre	\$3,303	\$10,291	\$11,967	\$16,481	\$16,993	\$22,179	\$22,400	\$22,569	\$22,743
City of Signal Hill	\$2,755	\$8,585	\$10,174	\$14,516	\$14,932	\$19,932	\$20,121	\$20,258	\$20,400
City of South El Monte	\$0	\$0	\$141	\$566	\$558	\$1,055	\$1,058	\$1,056	\$1,053
City of South Gate	\$19,453	\$60,618	\$67,891	\$86,682	\$89,856	\$111,267	\$112,516	\$113,558	\$114,626
City of South Pasadena	\$7,749	\$24,149	\$28,080	\$38,672	\$39,875	\$52,043	\$52,562	\$52,959	\$53,366
City of Temple City	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Torrance	\$17,845	\$55,610	\$83,830	\$165,829	\$167,469	\$262,941	\$264,544	\$265,111	\$265,711
City of Vernon	\$7,244	\$22,573	\$26,442	\$36,927	\$38,040	\$50,097	\$50,587	\$50,954	\$51,331
City of Walnut	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of West Covina	\$32,146	\$100,175	\$116,481	\$160,420	\$165,412	\$215,885	\$218,040	\$219,685	\$221,374
City of Westlake Village	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Whittier	\$10,084	\$31,423	\$37,750	\$55,177	\$56,671	\$76,770	\$77,471	\$77,966	\$78,474
County of Los Angeles	\$673,636	\$2,099,191	\$2,598,675	\$3,993,646	\$4,088,948	\$5,701,888	\$5,750,386	\$5,782,010	\$5,814,623
Inglewood Unified School District	\$1,687	\$5,258	\$6,006	\$7,986	\$8,254	\$10,521	\$10,632	\$10,720	\$10,811
Los Angeles Unified School District	\$42,598	\$132,743	\$161,800	\$242,413	\$248,589	\$341,686	\$344,699	\$346,745	\$348,852
UCLA	\$3,816	\$11,891	\$24,307	\$61,023	\$60,997	\$103,872	\$104,350	\$104,356	\$104,372
Total	\$3,166,369	\$9,867,063	\$11,446,054	\$15,692,394	\$16,185,720	\$21,061,691	\$21,273,334	\$21,435,863	\$21,602,708

LA-RICS
Cash Flow Estimates
March 2014

Annual Costs - Scenario 12, Excluding In-Kind
Match and Capital Replacement, Adding HHS
and Redundant Evolved Packet Core
Maintenance

	FY 2024/25	FY 2025/26	FY 2026/27	FY 2027/28	FY 2028/29	FY 2029/30	FY 2030/31	FY 2031/32
City of Agoura Hills	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Alhambra	\$148,354	\$149,562	\$151,160	\$152,790	\$154,093	\$155,789	\$144,665	\$146,429
City of Arcadia	\$118,515	\$119,458	\$120,718	\$122,004	\$123,023	\$124,360	\$115,638	\$117,030
City of Artesia	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Avalon	\$3,687	\$3,714	\$3,752	\$3,791	\$3,821	\$3,862	\$3,602	\$3,644
City of Azusa	\$54,342	\$54,816	\$55,424	\$56,044	\$56,554	\$57,200	\$52,889	\$53,561
City of Baldwin Park	\$88,394	\$89,164	\$90,154	\$91,163	\$91,993	\$93,043	\$86,031	\$87,124
City of Bell	\$41,355	\$41,716	\$42,178	\$42,651	\$43,039	\$43,530	\$40,250	\$40,761
City of Bell Gardens	\$34,328	\$34,625	\$35,008	\$35,398	\$35,718	\$36,124	\$33,417	\$33,839
City of Bellflower	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Beverly Hills	\$274,697	\$277,854	\$281,490	\$285,199	\$288,574	\$292,432	\$264,881	\$268,895
City of Bradbury	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Burbank	\$347,189	\$349,729	\$353,258	\$356,858	\$359,609	\$363,354	\$339,482	\$343,378
City of Calabasas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Carson	\$8,003	\$8,067	\$8,153	\$8,241	\$8,311	\$8,402	\$7,805	\$7,900
City of Cerritos	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Claremont	\$74,340	\$75,078	\$75,977	\$76,893	\$77,685	\$78,688	\$72,060	\$73,052
City of Commerce	\$52,471	\$53,073	\$53,767	\$54,475	\$55,118	\$55,855	\$50,599	\$51,365
City of Compton	\$47,606	\$47,961	\$48,450	\$48,949	\$49,334	\$49,853	\$46,526	\$47,066
City of Covina	\$52,872	\$52,999	\$53,345	\$53,699	\$53,846	\$54,214	\$52,540	\$52,922
City of Culver City	\$150,381	\$151,050	\$152,261	\$153,496	\$154,238	\$155,523	\$148,442	\$149,779
City of Downey	\$201,198	\$203,087	\$205,439	\$207,838	\$209,868	\$212,363	\$195,380	\$197,977
City of Duarte	\$19,383	\$19,610	\$19,869	\$20,133	\$20,375	\$20,650	\$18,679	\$18,965
City of El Monte	\$80,492	\$80,932	\$81,641	\$82,363	\$82,845	\$83,597	\$79,189	\$79,971
City of El Segundo	\$35,044	\$35,322	\$35,695	\$36,075	\$36,376	\$36,772	\$34,193	\$34,604
City of Gardena	\$160,404	\$161,702	\$163,424	\$165,181	\$166,582	\$168,410	\$156,439	\$158,340
City of Glendale	\$642,060	\$648,367	\$656,077	\$663,942	\$670,712	\$678,894	\$622,589	\$631,102
City of Glendora	\$58,705	\$59,217	\$59,874	\$60,544	\$61,095	\$61,793	\$57,136	\$57,861
City of Hawaiian Gardens	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Hawthorne	\$99,138	\$100,002	\$101,112	\$102,244	\$103,174	\$104,352	\$96,488	\$97,713
City of Hermosa Beach	\$44,111	\$44,404	\$44,830	\$45,265	\$45,583	\$46,035	\$43,229	\$43,700
City of Hidden Hills	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Huntington Park	\$78,752	\$79,429	\$80,303	\$81,194	\$81,923	\$82,850	\$76,680	\$77,645
City of Industry	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Inglewood	\$77,289	\$77,358	\$77,779	\$78,208	\$78,302	\$78,749	\$77,181	\$77,646
City of Irwindale	\$1,651	\$1,665	\$1,683	\$1,702	\$1,718	\$1,737	\$1,606	\$1,627
City of La Canada Flintridge	\$885	\$898	\$911	\$925	\$939	\$953	\$845	\$860
City of La Habra Heights	\$2,387	\$2,407	\$2,433	\$2,460	\$2,481	\$2,509	\$2,325	\$2,354
City of La Mirada	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of La Puente	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of La Verne	\$31,089	\$31,157	\$31,356	\$31,559	\$31,639	\$31,850	\$30,915	\$31,134
City of Lakewood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Lancaster	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Lawndale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Long Beach	\$1,112,810	\$1,118,888	\$1,128,680	\$1,138,669	\$1,145,334	\$1,155,726	\$1,094,795	\$1,105,607
City of Los Angeles	\$8,499,394	\$8,583,491	\$8,686,005	\$8,790,568	\$8,880,817	\$8,989,605	\$8,239,686	\$8,352,869

LA-RICS
Cash Flow Estimates
March 2014

Annual Costs - Scenario 12, Excluding In-Kind
 Match and Capital Replacement, Adding HHS
 and Redundant Evolved Packet Core

Maintenance	FY 2024/25	FY 2025/26	FY 2026/27	FY 2027/28	FY 2028/29	FY 2029/30	FY 2030/31	FY 2031/32
City of Lynwood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Manhattan Beach	\$227,785	\$230,893	\$234,269	\$237,712	\$241,022	\$244,604	\$218,057	\$221,784
City of Maywood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Monrovia	\$123,110	\$124,269	\$125,710	\$127,180	\$128,425	\$129,954	\$119,541	\$121,132
City of Montebello	\$131,742	\$132,790	\$134,192	\$135,621	\$136,753	\$138,240	\$128,544	\$130,091
City of Monterey Park	\$58,929	\$59,488	\$60,181	\$60,887	\$61,487	\$62,222	\$57,208	\$57,973
City of Norwalk	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Palmdale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Palos Verdes Estates	\$15,755	\$15,893	\$16,069	\$16,249	\$16,397	\$16,584	\$15,334	\$15,529
City of Paramount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pasadena	\$225,298	\$226,102	\$227,771	\$229,474	\$230,378	\$232,149	\$223,032	\$224,875
City of Pico Rivera	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pomona	\$444,752	\$450,756	\$457,300	\$463,975	\$470,372	\$477,316	\$425,965	\$433,190
City of Ranchos Palos Verdes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Redondo Beach	\$125,519	\$126,150	\$127,215	\$128,301	\$128,996	\$130,126	\$123,664	\$124,839
City of Rolling Hills Estates	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Rosemead	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of San Dimas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of San Fernando	\$27,687	\$27,929	\$28,239	\$28,555	\$28,815	\$29,144	\$26,947	\$27,289
City of San Gabriel	\$158,080	\$159,493	\$161,288	\$163,119	\$164,640	\$166,545	\$153,741	\$155,723
City of San Marino	\$44,170	\$44,605	\$45,136	\$45,677	\$46,144	\$46,707	\$42,828	\$43,414
City of Santa Clarita	\$115,328	\$116,974	\$118,737	\$120,535	\$122,287	\$124,157	\$110,167	\$112,113
City of Santa Fe Springs	\$39,672	\$39,875	\$40,214	\$40,560	\$40,783	\$41,142	\$39,075	\$39,449
City of Santa Monica	\$277,559	\$278,160	\$279,930	\$281,735	\$282,442	\$284,320	\$276,031	\$277,984
City of Sierra Madre	\$22,977	\$23,160	\$23,405	\$23,654	\$23,851	\$24,111	\$22,420	\$22,689
City of Signal Hill	\$20,600	\$20,749	\$20,958	\$21,170	\$21,332	\$21,553	\$20,147	\$20,377
City of South El Monte	\$1,056	\$1,054	\$1,057	\$1,061	\$1,059	\$1,062	\$1,066	\$1,069
City of South Gate	\$115,951	\$117,071	\$118,450	\$119,856	\$121,059	\$122,522	\$112,496	\$114,018
City of South Pasadena	\$53,917	\$54,346	\$54,920	\$55,504	\$55,968	\$56,576	\$52,608	\$53,241
City of Temple City	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Torrance	\$267,412	\$268,079	\$269,849	\$271,654	\$272,427	\$274,305	\$265,653	\$267,607
City of Vernon	\$51,851	\$52,248	\$52,789	\$53,340	\$53,770	\$54,344	\$50,640	\$51,237
City of Walnut	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of West Covina	\$223,660	\$225,440	\$227,819	\$230,245	\$232,167	\$234,692	\$218,231	\$220,857
City of Westlake Village	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Whittier	\$79,218	\$79,756	\$80,531	\$81,321	\$81,905	\$82,727	\$77,595	\$78,450
County of Los Angeles	\$5,866,089	\$5,900,741	\$5,954,286	\$6,008,902	\$6,046,767	\$6,103,590	\$5,762,646	\$5,821,764
Inglewood Unified School District	\$10,928	\$11,024	\$11,146	\$11,271	\$11,373	\$11,503	\$10,636	\$10,771
Los Angeles Unified School District	\$352,049	\$354,283	\$357,609	\$361,003	\$363,436	\$366,966	\$345,342	\$349,015
UCLA	\$104,879	\$104,915	\$105,443	\$105,982	\$106,049	\$106,610	\$104,922	\$105,504
Total	\$21,827,305	\$22,003,046	\$22,236,717	\$22,475,061	\$22,664,824	\$22,912,797	\$21,290,718	\$21,548,709