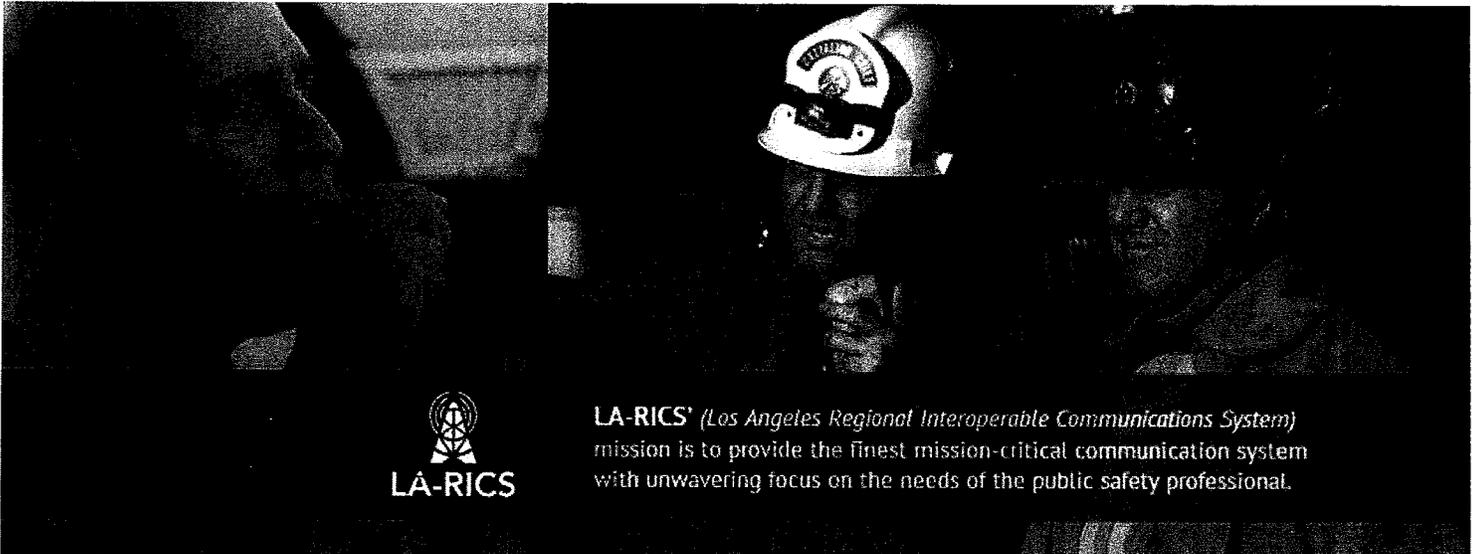




# LA-RICS

## CASH FLOW



LA-RICS' (*Los Angeles Regional Interoperable Communications System*) mission is to provide the finest mission-critical communication system with unwavering focus on the needs of the public safety professional.

**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
<b>LMR</b>									
Operations and Maintenance (from Phase 5 LMR Contract)			\$4,011,090	\$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	\$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
<b>LMR Total</b>			<b>\$10,161,459</b>	<b>\$10,188,329</b>	<b>\$10,109,041</b>	<b>\$10,030,302</b>	<b>\$10,058,817</b>	<b>\$10,034,555</b>	<b>\$10,010,875</b>
<b>LTE</b>									
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
<b>LTE Total</b>	<b>\$5,038,294</b>	<b>\$14,472,546</b>	<b>\$14,708,008</b>	<b>\$14,916,388</b>	<b>\$15,489,002</b>	<b>\$15,636,872</b>	<b>\$15,805,616</b>	<b>\$15,977,735</b>	<b>\$16,153,296</b>
<b>Total LMR+LTE</b>	<b>\$5,038,294</b>	<b>\$14,472,546</b>	<b>\$24,869,467</b>	<b>\$25,104,717</b>	<b>\$25,598,043</b>	<b>\$25,667,174</b>	<b>\$25,864,433</b>	<b>\$26,012,290</b>	<b>\$26,164,171</b>

**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.

DRAFT

**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
<b>LMR</b>									
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	\$55,898,520
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	\$72,102,617
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
<b>LMR Total</b>	<b>\$10,041,135</b>	<b>\$10,018,653</b>	<b>\$10,050,136</b>	<b>\$10,082,249</b>	<b>\$10,061,656</b>	<b>\$10,095,066</b>	<b>\$10,129,145</b>	<b>\$10,163,905</b>	
<b>LTE</b>									
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
<b>LTE Total</b>	<b>\$16,332,369</b>	<b>\$16,515,023</b>	<b>\$16,701,330</b>	<b>\$16,891,363</b>	<b>\$17,085,197</b>	<b>\$17,282,908</b>	<b>\$13,737,636</b>	<b>\$13,943,334</b>	
<b>Total LMR+LTE</b>	<b>\$26,373,504</b>	<b>\$26,533,676</b>	<b>\$26,751,466</b>	<b>\$26,973,612</b>	<b>\$27,146,853</b>	<b>\$27,377,974</b>	<b>\$23,866,780</b>	<b>\$24,107,238</b>	

**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 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	\$169,194	\$170,803	\$174,195	\$174,679	\$176,027	\$177,044	\$178,088
City of Arcadia	\$27,104	\$77,858	\$134,894	\$136,162	\$138,808	\$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	\$4,176	\$4,214	\$4,202	\$4,302	\$4,334	\$4,357	\$4,381
City of Azusa	\$13,352	\$38,353	\$62,362	\$62,976	\$64,511	\$64,522	\$65,035	\$65,435	\$65,846
City of Baldwin Park	\$21,718	\$62,386	\$101,440	\$102,438	\$104,610	\$104,953	\$105,787	\$106,438	\$107,106
City of Bell	\$10,161	\$29,187	\$47,458	\$47,926	\$48,942	\$49,102	\$49,492	\$49,797	\$50,109
City of Bell Gardens	\$8,389	\$24,098	\$39,369	\$39,755	\$40,593	\$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	\$324,684	\$328,888	\$337,398	\$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	\$392,416	\$395,957	\$403,047	\$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	\$9,123	\$9,209	\$9,391	\$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	\$86,429	\$87,340	\$89,434	\$89,818	\$90,574	\$91,202	\$91,846
City of Commerce	\$16,139	\$46,361	\$62,007	\$62,714	\$64,432	\$64,790	\$65,373	\$65,889	\$66,416
City of Compton	\$10,361	\$29,761	\$53,894	\$54,385	\$55,378	\$55,499	\$55,913	\$56,210	\$56,516
City of Covina	\$5,506	\$15,817	\$56,544	\$56,879	\$57,189	\$57,037	\$57,335	\$57,426	\$57,524
City of Culver City	\$22,550	\$64,774	\$164,629	\$165,822	\$167,614	\$167,511	\$168,543	\$169,077	\$169,633
City of Downey	\$52,476	\$150,737	\$232,570	\$234,950	\$240,295	\$241,220	\$243,200	\$244,803	\$246,447
City of Duarte	\$6,051	\$17,381	\$22,955	\$23,219	\$23,866	\$24,002	\$24,220	\$24,414	\$24,612
City of El Monte	\$13,906	\$89,946	\$89,132	\$89,835	\$91,037	\$91,069	\$91,671	\$92,030	\$92,402
City of El Segundo	\$8,014	\$23,022	\$39,887	\$40,262	\$41,044	\$41,151	\$41,466	\$41,700	\$41,941
City of Gardena	\$37,175	\$106,786	\$182,843	\$184,577	\$188,222	\$188,737	\$190,191	\$191,283	\$192,405
City of Glendale	\$173,722	\$499,017	\$745,630	\$753,445	\$771,328	\$774,579	\$781,066	\$786,432	\$791,929
City of Glendora	\$14,424	\$41,433	\$67,369	\$68,032	\$69,475	\$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	\$113,769	\$114,890	\$117,325	\$117,709	\$118,645	\$119,375	\$120,125
City of Hermosa Beach	\$8,781	\$25,223	\$49,486	\$49,912	\$50,724	\$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	\$90,250	\$91,132	\$93,036	\$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	\$81,214	\$81,612	\$81,720	\$81,373	\$81,738	\$81,768	\$81,805
City of Irwindale	\$406	\$1,165	\$1,894	\$1,913	\$1,953	\$1,960	\$1,975	\$1,988	\$2,000
City of La Canada Flintridge	\$329	\$945	\$1,077	\$1,091	\$1,127	\$1,136	\$1,148	\$1,159	\$1,170
City of La Habra Heights	\$571	\$1,641	\$2,731	\$2,757	\$2,814	\$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	\$33,167	\$33,359	\$33,522	\$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	\$1,232,224	\$1,241,948	\$1,258,556	\$1,258,997	\$1,267,317	\$1,272,281	\$1,277,415
City of Los Angeles	\$2,313,252	\$6,644,840	\$9,877,913	\$9,981,851	\$10,220,374	\$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 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	\$57,794	\$58,200	\$58,551	\$59,035	\$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  
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	\$275,302	\$278,760	\$287,684	\$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	\$142,341	\$143,800	\$147,078	\$147,647	\$148,861	\$149,844	\$150,853
City of Montebello	\$30,129	\$86,547	\$149,949	\$151,359	\$154,300	\$154,704	\$155,887	\$156,768	\$157,673
City of Monterey Park	\$15,488	\$44,489	\$68,183	\$68,885	\$70,466	\$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	\$18,081	\$18,259	\$18,646	\$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	\$244,197	\$245,830	\$247,929	\$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	\$536,739	\$543,440	\$560,674	\$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	\$138,315	\$139,369	\$141,082	\$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	\$31,774	\$32,086	\$32,767	\$32,874	\$33,135	\$33,339	\$33,549
City of San Gabriel	\$39,626	\$113,826	\$181,844	\$183,658	\$187,645	\$188,295	\$189,808	\$191,004	\$192,231
City of San Marino	\$11,968	\$34,377	\$51,304	\$51,842	\$53,075	\$53,299	\$53,746	\$54,116	\$54,495
City of Santa Clarita	\$42,720	\$122,714	\$140,287	\$142,095	\$146,829	\$147,962	\$149,436	\$150,859	\$152,311
City of Santa Fe Springs	\$6,540	\$18,787	\$43,757	\$44,093	\$44,644	\$44,645	\$44,933	\$45,098	\$45,268
City of Santa Monica	\$27,422	\$78,769	\$296,019	\$297,725	\$299,156	\$298,287	\$299,812	\$300,233	\$300,685
City of Sierra Madre	\$5,255	\$15,095	\$26,153	\$26,399	\$26,912	\$26,982	\$27,188	\$27,342	\$27,500
City of Signal Hill	\$4,383	\$12,592	\$23,266	\$23,475	\$23,892	\$23,939	\$24,115	\$24,240	\$24,368
City of South El Monte	\$0	\$0	\$1,069	\$1,072	\$1,064	\$1,055	\$1,058	\$1,056	\$1,053
City of South Gate	\$30,953	\$88,912	\$134,423	\$135,820	\$138,994	\$139,561	\$140,721	\$141,673	\$142,649
City of South Pasadena	\$12,331	\$35,421	\$61,369	\$61,946	\$63,149	\$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	\$286,287	\$288,000	\$289,640	\$288,897	\$290,419	\$290,903	\$291,419
City of Vernon	\$11,526	\$33,109	\$58,833	\$59,376	\$60,490	\$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	\$254,570	\$256,964	\$261,956	\$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	\$89,023	\$89,798	\$91,292	\$91,437	\$92,092	\$92,540	\$93,000
County of Los Angeles	\$1,071,883	\$3,078,994	\$6,527,949	\$6,581,269	\$6,676,570	\$6,681,692	\$6,727,129	\$6,755,632	\$6,785,061
Inglewood Unified School District	\$2,685	\$7,713	\$12,541	\$12,665	\$12,933	\$12,975	\$13,079	\$13,159	\$13,242
Los Angeles Unified School District	\$67,781	\$194,701	\$393,676	\$396,997	\$403,173	\$403,645	\$406,464	\$408,312	\$410,218
UCLA	\$6,072	\$17,441	\$109,487	\$109,981	\$109,955	\$109,422	\$109,883	\$109,871	\$109,869
Total	\$5,038,294	\$14,472,546	\$24,869,467	\$25,104,717	\$25,598,043	\$25,667,174	\$25,864,433	\$26,012,290	\$26,164,171

LA-RICS  
Cash Flow Estimates  
March 2014

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	\$34,385	\$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**

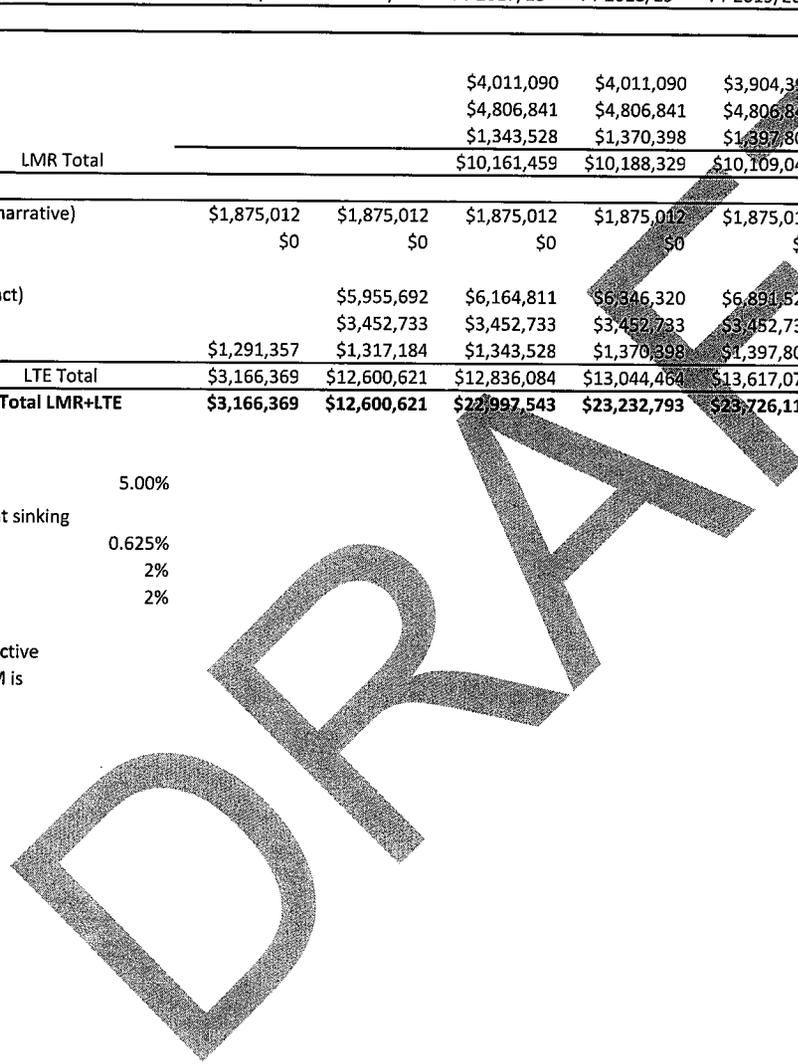
Annual Costs - Scenario 2, Excluding In-Kind Match

	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
<b>LMR</b>									
Operations and Maintenance (from Phase 5 LMR Contract)			\$4,011,090	\$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	\$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
<b>LMR Total</b>			<b>\$10,161,459</b>	<b>\$10,188,329</b>	<b>\$10,109,041</b>	<b>\$10,030,302</b>	<b>\$10,058,817</b>	<b>\$10,034,555</b>	<b>\$10,010,875</b>
<b>LTE</b>									
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
<b>LTE Total</b>	<b>\$3,166,369</b>	<b>\$12,600,621</b>	<b>\$12,836,084</b>	<b>\$13,044,464</b>	<b>\$13,617,078</b>	<b>\$13,764,948</b>	<b>\$13,933,692</b>	<b>\$14,105,811</b>	<b>\$14,281,372</b>
<b>Total LMR+LTE</b>	<b>\$3,166,369</b>	<b>\$12,600,621</b>	<b>\$22,997,543</b>	<b>\$23,232,793</b>	<b>\$23,726,119</b>	<b>\$23,795,249</b>	<b>\$23,992,509</b>	<b>\$24,140,366</b>	<b>\$24,292,247</b>

**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
<b>LMR</b>									
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	\$55,898,520
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	\$72,102,617
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
<b>LMR Total</b>	<b>\$10,041,135</b>	<b>\$10,018,653</b>	<b>\$10,050,136</b>	<b>\$10,082,249</b>	<b>\$10,061,656</b>	<b>\$10,095,066</b>	<b>\$10,129,145</b>	<b>\$10,163,905</b>	
<b>LTE</b>									
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
<b>LTE Total</b>	<b>\$14,460,445</b>	<b>\$14,643,099</b>	<b>\$14,829,406</b>	<b>\$15,019,439</b>	<b>\$15,213,273</b>	<b>\$15,410,983</b>	<b>\$13,737,636</b>	<b>\$13,943,334</b>	
<b>Total LMR+LTE</b>	<b>\$24,501,580</b>	<b>\$24,661,752</b>	<b>\$24,879,542</b>	<b>\$25,101,688</b>	<b>\$25,274,929</b>	<b>\$25,506,050</b>	<b>\$23,866,780</b>	<b>\$24,107,238</b>	

<b>Interest Rates</b>	
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.

DRAFT

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
City of Agoura Hills	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Alhambra	\$21,706	\$86,380	\$156,361	\$157,971	\$161,362	\$161,846	\$163,195	\$164,212
City of Arcadia	\$17,034	\$67,787	\$124,824	\$126,092	\$128,737	\$129,101	\$130,165	\$130,958
City of Artesia	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Avalon	\$507	\$2,018	\$3,876	\$3,915	\$3,992	\$4,002	\$4,034	\$4,057
City of Azusa	\$8,391	\$33,392	\$57,401	\$58,015	\$59,350	\$59,561	\$60,074	\$60,474
City of Baldwin Park	\$13,649	\$54,317	\$93,370	\$94,369	\$96,541	\$96,883	\$97,718	\$98,369
City of Bell	\$6,386	\$25,412	\$43,683	\$44,151	\$45,167	\$45,327	\$45,717	\$46,022
City of Bell Gardens	\$5,272	\$20,981	\$36,252	\$36,638	\$37,476	\$37,607	\$37,929	\$38,180
City of Bellflower	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Beverly Hills	\$53,173	\$211,604	\$293,248	\$296,953	\$305,963	\$307,844	\$310,896	\$313,601
City of Bradbury	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Burbank	\$46,764	\$186,096	\$364,770	\$368,311	\$375,401	\$376,227	\$379,211	\$381,334
City of Calabasas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Carson	\$1,166	\$4,641	\$8,433	\$8,520	\$8,702	\$8,728	\$8,800	\$8,855
City of Cerritos	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Claremont	\$12,751	\$50,745	\$78,890	\$79,801	\$81,895	\$82,280	\$83,036	\$83,664
City of Commerce	\$10,143	\$40,364	\$56,011	\$56,718	\$58,436	\$58,794	\$59,376	\$59,892
City of Compton	\$6,511	\$25,912	\$50,045	\$50,536	\$51,529	\$51,650	\$52,063	\$52,361
City of Covina	\$3,460	\$13,771	\$54,498	\$54,833	\$55,143	\$54,991	\$55,289	\$55,381
City of Culver City	\$14,172	\$56,396	\$156,250	\$157,444	\$159,236	\$159,132	\$160,165	\$160,699
City of Downey	\$32,979	\$131,240	\$213,073	\$215,453	\$220,798	\$221,723	\$223,703	\$225,307
City of Duarte	\$3,803	\$15,133	\$20,707	\$20,971	\$21,617	\$21,754	\$21,972	\$22,166
City of El Monte	\$8,739	\$34,779	\$83,965	\$84,668	\$85,870	\$85,902	\$86,504	\$86,863
City of El Segundo	\$5,037	\$20,044	\$36,909	\$37,284	\$38,066	\$38,174	\$38,488	\$38,723
City of Gardena	\$23,363	\$92,974	\$169,031	\$170,765	\$174,410	\$174,925	\$176,379	\$177,471
City of Glendale	\$109,177	\$434,472	\$681,085	\$688,901	\$706,784	\$710,034	\$716,522	\$721,887
City of Glendora	\$9,065	\$36,074	\$62,010	\$62,673	\$64,116	\$64,343	\$64,897	\$65,330
City of Hawaiian Gardens	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Hawthorne	\$15,308	\$60,919	\$104,719	\$105,840	\$108,275	\$108,659	\$109,595	\$110,325
City of Hermosa Beach	\$5,518	\$21,961	\$46,223	\$46,649	\$47,461	\$47,534	\$47,895	\$48,138
City of Hidden Hills	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Huntington Park	\$12,018	\$47,825	\$83,145	\$84,027	\$85,932	\$86,226	\$86,963	\$87,534
City of Industry	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Inglewood	\$3,415	\$13,591	\$79,195	\$79,593	\$79,701	\$79,354	\$79,719	\$79,749
City of Irwindale	\$255	\$1,014	\$1,744	\$1,762	\$1,803	\$1,809	\$1,825	\$1,837
City of La Canada Flintridge	\$207	\$823	\$955	\$969	\$1,005	\$1,014	\$1,025	\$1,036
City of La Habra Heights	\$359	\$1,429	\$2,518	\$2,545	\$2,601	\$2,610	\$2,632	\$2,649
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	\$1,943	\$7,731	\$32,019	\$32,210	\$32,373	\$32,277	\$32,448	\$32,496
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	\$120,795	\$480,705	\$1,160,811	\$1,170,535	\$1,187,143	\$1,187,584	\$1,195,905	\$1,200,869
City of Los Angeles	\$1,453,788	\$5,785,375	\$9,018,449	\$9,122,387	\$9,360,910	\$9,404,587	\$9,490,833	\$9,562,397

LA-RICS

Cash Flow Estimates

March 2014

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

	FY 2023/24	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	\$0
City of Alhambra	\$165,256	\$166,687	\$167,788	\$169,277	\$170,796	\$171,986	\$173,566	\$162,324	\$163,968
City of Arcadia	\$131,772	\$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	\$0
City of Avalon	\$4,081	\$4,115	\$4,140	\$4,176	\$4,212	\$4,239	\$4,277	\$4,015	\$4,054
City of Azusa	\$60,885	\$61,429	\$61,861	\$62,428	\$63,005	\$63,471	\$64,072	\$59,716	\$60,341
City of Baldwin Park	\$99,037	\$99,922	\$100,625	\$101,546	\$102,486	\$103,244	\$104,221	\$97,136	\$98,153
City of Bell	\$46,334	\$46,748	\$47,077	\$47,508	\$47,948	\$48,303	\$48,760	\$45,445	\$45,921
City of Bell Gardens	\$38,438	\$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	\$0
City of Beverly Hills	\$316,368	\$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	\$0
City of Burbank	\$383,519	\$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	\$0
City of Carson	\$8,911	\$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	\$0
City of Claremont	\$84,307	\$85,110	\$85,785	\$86,620	\$87,471	\$88,196	\$89,082	\$82,434	\$83,356
City of Commerce	\$60,420	\$61,038	\$61,590	\$62,233	\$62,889	\$63,479	\$64,162	\$58,851	\$59,561
City of Compton	\$52,667	\$53,105	\$53,429	\$53,835	\$54,350	\$54,701	\$55,185	\$51,824	\$52,328
City of Covina	\$55,478	\$55,794	\$55,905	\$56,234	\$56,569	\$56,699	\$57,048	\$55,355	\$55,718
City of Culver City	\$161,255	\$162,351	\$162,949	\$164,089	\$165,252	\$165,920	\$167,129	\$159,971	\$161,230
City of Downey	\$226,950	\$229,052	\$230,778	\$232,965	\$235,195	\$237,053	\$239,373	\$222,211	\$224,625
City of Duarte	\$22,364	\$22,595	\$22,803	\$23,043	\$23,288	\$23,510	\$23,765	\$21,773	\$22,038
City of El Monte	\$87,235	\$87,874	\$88,270	\$88,935	\$89,613	\$90,050	\$90,755	\$86,299	\$87,033
City of El Segundo	\$38,964	\$39,298	\$39,552	\$39,899	\$40,253	\$40,528	\$40,897	\$38,291	\$38,674
City of Gardena	\$178,593	\$180,136	\$181,319	\$182,924	\$184,561	\$185,841	\$187,544	\$175,447	\$177,219
City of Glendale	\$727,385	\$734,269	\$740,040	\$747,203	\$754,509	\$760,709	\$768,310	\$711,412	\$719,321
City of Glendora	\$65,773	\$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	\$0
City of Hawthorne	\$111,075	\$112,067	\$112,856	\$113,889	\$114,943	\$115,793	\$116,889	\$108,942	\$110,083
City of Hermosa Beach	\$48,389	\$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	\$0
City of Huntington Park	\$88,120	\$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	\$0
City of Inglewood	\$79,786	\$80,174	\$80,226	\$80,629	\$81,041	\$81,117	\$81,546	\$79,960	\$80,405
City of Irwindale	\$1,849	\$1,866	\$1,879	\$1,896	\$1,914	\$1,928	\$1,946	\$1,814	\$1,833
City of La Canada Flintridge	\$1,048	\$1,060	\$1,071	\$1,084	\$1,097	\$1,109	\$1,122	\$1,013	\$1,027
City of La Habra Heights	\$2,666	\$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	\$0
City of La Puente	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of La Verne	\$32,548	\$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	\$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	\$1,206,002	\$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	\$9,635,721	\$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 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	FY 2022/23
City of Lynwood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Manhattan Beach	\$51,001	\$202,960	\$245,151	\$248,609	\$257,532	\$259,617	\$262,442	\$265,123
City of Maywood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Monrovia	\$20,219	\$80,462	\$130,388	\$131,847	\$135,125	\$135,694	\$136,908	\$137,891
City of Montebello	\$18,935	\$75,353	\$138,755	\$140,165	\$143,106	\$143,509	\$144,692	\$145,574
City of Monterey Park	\$9,734	\$38,735	\$62,429	\$63,130	\$64,711	\$64,988	\$65,571	\$66,045
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	\$2,433	\$9,681	\$16,642	\$16,820	\$17,208	\$17,269	\$17,417	\$17,533
City of Paramount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pasadena	\$18,446	\$73,407	\$233,292	\$234,925	\$237,024	\$236,657	\$238,085	\$238,709
City of Pico Rivera	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pomona	\$98,680	\$392,700	\$478,400	\$485,102	\$502,336	\$506,337	\$511,816	\$516,993
City of Ranchos Palos Verdes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Redondo Beach	\$12,859	\$51,171	\$130,714	\$131,768	\$133,480	\$133,471	\$134,377	\$134,888
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	\$4,275	\$17,014	\$29,246	\$29,559	\$30,739	\$30,347	\$30,608	\$30,812
City of San Gabriel	\$24,903	\$99,103	\$167,121	\$168,935	\$172,923	\$173,573	\$175,086	\$176,281
City of San Marino	\$7,521	\$29,931	\$46,858	\$47,396	\$48,628	\$48,853	\$49,300	\$49,669
City of Santa Clarita	\$26,848	\$106,842	\$124,415	\$126,223	\$130,957	\$132,090	\$133,564	\$134,986
City of Santa Fe Springs	\$4,110	\$16,357	\$41,327	\$41,663	\$42,214	\$42,215	\$42,503	\$42,668
City of Santa Monica	\$17,233	\$68,581	\$285,831	\$287,536	\$288,968	\$288,099	\$289,623	\$290,045
City of Sierra Madre	\$3,303	\$13,142	\$24,200	\$24,446	\$24,959	\$25,030	\$25,236	\$25,390
City of Signal Hill	\$2,755	\$10,963	\$21,638	\$21,846	\$22,263	\$22,311	\$22,487	\$22,611
City of South El Monte	\$0	\$0	\$1,069	\$1,072	\$1,064	\$1,055	\$1,058	\$1,056
City of South Gate	\$19,453	\$77,412	\$122,923	\$124,320	\$127,494	\$128,061	\$129,221	\$130,173
City of South Pasadena	\$7,749	\$30,839	\$56,787	\$57,364	\$58,568	\$58,733	\$59,217	\$59,578
City of Temple City	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Torrance	\$17,845	\$71,016	\$275,737	\$277,450	\$279,090	\$278,347	\$279,869	\$280,353
City of Vernon	\$7,244	\$28,827	\$54,551	\$55,094	\$56,207	\$56,351	\$56,807	\$57,141
City of Walnut	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of West Covina	\$32,146	\$127,927	\$235,566	\$237,960	\$242,952	\$243,637	\$245,646	\$247,142
City of Westlake Village	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Whittier	\$10,084	\$40,128	\$83,062	\$83,837	\$85,331	\$85,475	\$86,131	\$86,578
County of Los Angeles	\$673,636	\$2,680,747	\$6,129,702	\$6,183,022	\$6,278,323	\$6,283,445	\$6,328,883	\$6,357,385
Inglewood Unified School District	\$1,687	\$6,715	\$11,544	\$11,667	\$11,936	\$11,978	\$12,081	\$12,162
Los Angeles Unified School District	\$42,598	\$169,518	\$368,492	\$371,814	\$377,989	\$378,461	\$381,281	\$383,129
UCLA	\$3,816	\$15,185	\$107,231	\$107,725	\$107,699	\$107,166	\$107,627	\$107,615
Total	\$3,166,369	\$12,600,621	\$22,997,543	\$23,232,793	\$23,726,119	\$23,795,249	\$23,992,509	\$24,140,366

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

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

	FY 2023/24	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	\$0
City of Manhattan Beach	\$267,861	\$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	\$0
City of Monrovia	\$138,899	\$140,187	\$141,246	\$142,586	\$143,952	\$145,092	\$146,514	\$135,991	\$137,470
City of Montebello	\$146,479	\$147,735	\$148,690	\$149,996	\$151,328	\$152,362	\$153,748	\$143,949	\$145,391
City of Monterey Park	\$66,531	\$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	\$0
City of Palmdale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Palos Verdes Estates	\$17,652	\$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	\$0
City of Pasadena	\$239,362	\$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	\$0
City of Pomona	\$522,282	\$528,096	\$533,615	\$539,604	\$545,834	\$551,716	\$558,135	\$506,248	\$512,927
City of Ranchos Palos Verdes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Redondo Beach	\$135,418	\$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	\$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	\$31,021	\$31,298	\$31,519	\$31,807	\$32,101	\$32,339	\$32,645	\$30,426	\$30,744
City of San Gabriel	\$177,508	\$179,113	\$180,404	\$182,074	\$183,778	\$185,168	\$186,941	\$174,002	\$175,846
City of San Marino	\$50,048	\$50,522	\$50,920	\$51,413	\$51,916	\$52,344	\$52,867	\$48,947	\$49,492
City of Santa Clarita	\$136,439	\$138,003	\$139,518	\$141,146	\$142,806	\$144,418	\$146,146	\$132,010	\$133,807
City of Santa Fe Springs	\$42,838	\$43,444	\$43,326	\$43,645	\$43,969	\$44,171	\$44,509	\$42,419	\$42,771
City of Santa Monica	\$290,497	\$292,115	\$292,631	\$294,314	\$296,031	\$296,648	\$298,434	\$290,051	\$291,909
City of Sierra Madre	\$25,548	\$25,767	\$25,933	\$26,161	\$26,393	\$26,574	\$26,815	\$25,106	\$25,358
City of Signal Hill	\$22,740	\$22,927	\$23,063	\$23,257	\$23,455	\$23,603	\$23,809	\$22,389	\$22,603
City of South El Monte	\$1,053	\$1,056	\$1,054	\$1,057	\$1,061	\$1,059	\$1,062	\$1,066	\$1,069
City of South Gate	\$131,149	\$132,380	\$133,405	\$134,686	\$135,993	\$137,094	\$138,454	\$128,322	\$129,736
City of South Pasadena	\$59,948	\$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	\$0
City of Torrance	\$280,869	\$282,784	\$283,063	\$284,743	\$286,457	\$287,137	\$288,920	\$280,172	\$282,027
City of Vernon	\$57,484	\$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	\$0
City of West Covina	\$248,679	\$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	\$0
City of Whittier	\$87,039	\$87,735	\$88,223	\$88,947	\$89,686	\$90,218	\$90,986	\$85,798	\$86,598
County of Los Angeles	\$6,386,815	\$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	\$12,244	\$12,354	\$12,440	\$12,554	\$12,670	\$12,764	\$12,885	\$12,009	\$12,135
Los Angeles Unified School District	\$385,034	\$388,027	\$390,051	\$393,164	\$396,339	\$398,550	\$401,854	\$379,998	\$383,436
UCLA	\$107,613	\$108,102	\$108,119	\$108,628	\$109,147	\$109,195	\$109,735	\$108,026	\$108,588
<b>Total</b>	<b>\$24,292,247</b>	<b>\$24,501,580</b>	<b>\$24,661,752</b>	<b>\$24,879,542</b>	<b>\$25,101,688</b>	<b>\$25,274,929</b>	<b>\$25,506,050</b>	<b>\$23,866,780</b>	<b>\$24,107,238</b>

**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
<b>LMR</b>									
Operations and Maintenance (from Phase 5 LMR Contract)			\$4,011,090	\$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	\$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
<b>LMR Total</b>			<b>\$10,161,459</b>	<b>\$10,188,329</b>	<b>\$10,109,041</b>	<b>\$10,030,302</b>	<b>\$10,058,817</b>	<b>\$10,034,555</b>	<b>\$10,010,875</b>
<b>LTE</b>									
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
<b>LTE Total</b>	<b>\$3,166,369</b>	<b>\$9,147,888</b>	<b>\$9,383,351</b>	<b>\$9,591,781</b>	<b>\$10,164,345</b>	<b>\$10,312,215</b>	<b>\$10,480,959</b>	<b>\$10,653,078</b>	<b>\$10,828,639</b>
<b>Total LMR+LTE</b>	<b>\$3,166,369</b>	<b>\$9,147,888</b>	<b>\$19,544,810</b>	<b>\$19,780,060</b>	<b>\$20,273,386</b>	<b>\$20,342,516</b>	<b>\$20,539,776</b>	<b>\$20,687,633</b>	<b>\$20,839,514</b>

<b>Interest Rates</b>	
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.

DRAFT

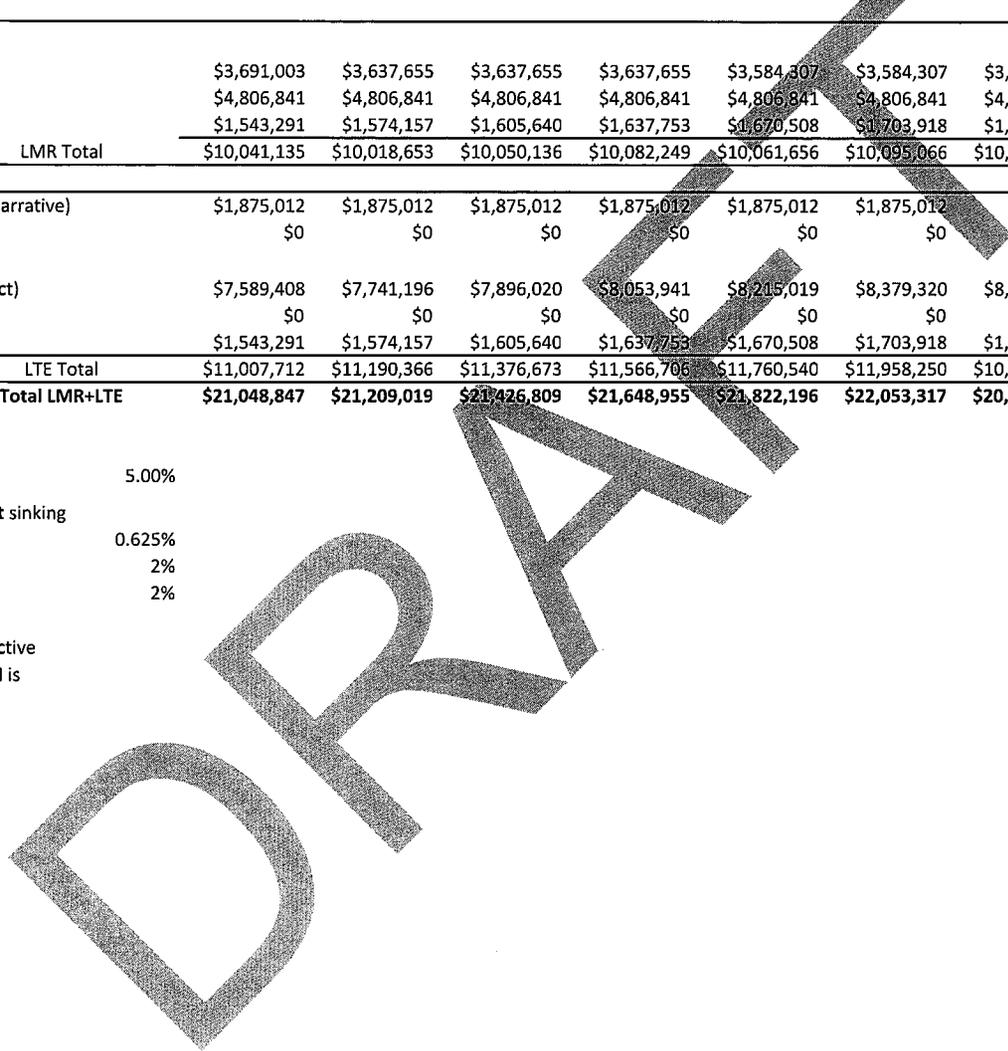
**LA-RICS  
Cash Flow Estimates  
March 2014**

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
<b>LMR</b>									
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	\$55,898,520
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	\$72,102,617
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	
<b>LTE</b>									
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	
<b>Total LMR+LTE</b>	<b>\$21,048,847</b>	<b>\$21,209,019</b>	<b>\$21,426,809</b>	<b>\$21,648,955</b>	<b>\$21,822,196</b>	<b>\$22,053,317</b>	<b>\$20,414,047</b>	<b>\$20,654,505</b>	

<b>Interest Rates</b>	
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
City of Agoura Hills	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Alhambra	\$21,706	\$62,711	\$132,692	\$134,301	\$137,693	\$138,177	\$139,526	\$140,543
City of Arcadia	\$17,034	\$49,213	\$106,249	\$107,517	\$110,163	\$110,526	\$111,590	\$112,383
City of Artesia	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Avalon	\$507	\$1,465	\$3,323	\$3,362	\$3,439	\$3,449	\$3,481	\$3,504
City of Azusa	\$8,391	\$24,242	\$48,251	\$48,865	\$50,200	\$50,411	\$50,924	\$51,324
City of Baldwin Park	\$13,649	\$39,433	\$78,487	\$79,486	\$81,657	\$82,000	\$82,834	\$83,485
City of Bell	\$6,386	\$18,449	\$36,720	\$37,187	\$38,203	\$38,364	\$38,754	\$39,058
City of Bell Gardens	\$5,272	\$15,232	\$30,503	\$30,889	\$31,727	\$31,888	\$32,180	\$32,431
City of Bellflower	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Beverly Hills	\$53,173	\$153,622	\$235,266	\$233,971	\$247,980	\$249,862	\$252,913	\$255,618
City of Bradbury	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Burbank	\$46,764	\$135,104	\$313,777	\$317,308	\$324,408	\$325,234	\$328,218	\$330,342
City of Calabasas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Carson	\$1,166	\$3,369	\$7,162	\$7,248	\$7,430	\$7,456	\$7,528	\$7,583
City of Cerritos	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Claremont	\$12,751	\$36,840	\$64,985	\$65,897	\$67,990	\$68,375	\$69,131	\$69,759
City of Commerce	\$10,143	\$29,304	\$44,950	\$45,657	\$47,375	\$47,734	\$48,316	\$48,832
City of Compton	\$6,511	\$18,812	\$42,945	\$43,436	\$44,429	\$44,550	\$44,963	\$45,261
City of Covina	\$3,460	\$9,997	\$50,725	\$51,060	\$51,370	\$51,218	\$51,516	\$51,607
City of Culver City	\$14,172	\$40,943	\$140,797	\$141,991	\$143,783	\$143,679	\$144,712	\$145,246
City of Downey	\$32,979	\$95,279	\$177,112	\$179,492	\$184,837	\$185,762	\$187,742	\$189,345
City of Duarte	\$3,803	\$10,986	\$16,560	\$16,824	\$17,471	\$17,607	\$17,825	\$18,019
City of El Monte	\$8,739	\$25,249	\$74,435	\$75,139	\$76,340	\$76,372	\$76,974	\$77,333
City of El Segundo	\$5,037	\$14,552	\$31,417	\$31,792	\$32,574	\$32,681	\$32,996	\$33,230
City of Gardena	\$23,363	\$67,498	\$143,555	\$145,289	\$148,934	\$149,449	\$150,903	\$151,995
City of Glendale	\$109,177	\$315,421	\$562,034	\$569,850	\$587,733	\$590,983	\$597,471	\$602,836
City of Glendora	\$9,065	\$26,189	\$52,126	\$52,789	\$54,231	\$54,459	\$55,013	\$55,445
City of Hawaiian Gardens	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Hawthorne	\$15,908	\$44,226	\$88,027	\$89,147	\$91,583	\$91,967	\$92,902	\$93,633
City of Hermosa Beach	\$5,518	\$15,948	\$40,206	\$40,632	\$41,444	\$41,517	\$41,878	\$42,121
City of Hidden Hills	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Huntington Park	\$12,018	\$34,720	\$70,040	\$70,922	\$72,827	\$73,121	\$73,859	\$74,430
City of Industry	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Inglewood	\$3,415	\$9,867	\$75,471	\$75,869	\$75,976	\$75,630	\$75,995	\$76,025
City of Irwindale	\$255	\$736	\$1,466	\$1,484	\$1,525	\$1,531	\$1,547	\$1,559
City of La Canada Flintridge	\$207	\$597	\$729	\$743	\$780	\$789	\$800	\$811
City of La Habra Heights	\$359	\$1,037	\$2,127	\$2,153	\$2,210	\$2,218	\$2,241	\$2,258
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	\$1,943	\$5,612	\$29,900	\$30,092	\$30,255	\$30,159	\$30,330	\$30,378
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	\$120,795	\$348,986	\$1,029,091	\$1,038,816	\$1,055,424	\$1,055,865	\$1,064,185	\$1,069,149

LA-RICS

Cash Flow Estimates

March 2014

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

	FY 2023/24	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	\$0
City of Alhambra	\$141,587	\$143,018	\$144,119	\$145,608	\$147,127	\$148,317	\$149,897	\$138,655	\$140,299
City of Arcadia	\$113,198	\$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	\$0
City of Avalon	\$3,528	\$3,562	\$3,587	\$3,623	\$3,659	\$3,686	\$3,724	\$3,462	\$3,501
City of Azusa	\$51,735	\$52,279	\$52,711	\$53,278	\$53,855	\$54,321	\$54,922	\$50,566	\$51,191
City of Baldwin Park	\$84,153	\$85,039	\$85,742	\$86,663	\$87,602	\$88,361	\$89,338	\$82,252	\$83,269
City of Bell	\$39,371	\$39,785	\$40,114	\$40,545	\$40,985	\$41,339	\$41,797	\$38,482	\$38,957
City of Bell Gardens	\$32,689	\$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	\$0
City of Beverly Hills	\$258,386	\$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	\$0
City of Burbank	\$332,526	\$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	\$0
City of Carson	\$7,639	\$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	\$0
City of Claremont	\$70,403	\$71,205	\$71,880	\$72,715	\$73,566	\$74,292	\$75,177	\$68,530	\$69,451
City of Commerce	\$49,359	\$49,977	\$50,530	\$51,173	\$51,828	\$52,419	\$53,101	\$47,791	\$48,501
City of Compton	\$45,566	\$46,005	\$46,328	\$46,785	\$47,250	\$47,601	\$48,085	\$44,724	\$45,227
City of Covina	\$51,705	\$52,021	\$52,131	\$52,460	\$52,796	\$52,926	\$53,275	\$51,582	\$51,945
City of Culver City	\$145,802	\$146,897	\$147,496	\$148,636	\$149,799	\$150,466	\$151,676	\$144,518	\$145,777
City of Downey	\$190,989	\$193,090	\$194,817	\$197,003	\$199,233	\$201,091	\$203,412	\$186,249	\$188,663
City of Duarte	\$18,217	\$18,443	\$18,656	\$18,896	\$19,141	\$19,363	\$19,618	\$17,626	\$17,891
City of El Monte	\$77,705	\$78,344	\$78,740	\$79,405	\$80,083	\$80,520	\$81,225	\$76,769	\$77,503
City of El Segundo	\$33,471	\$33,805	\$34,059	\$34,407	\$34,761	\$35,036	\$35,405	\$32,798	\$33,182
City of Gardena	\$153,117	\$154,660	\$155,843	\$157,448	\$159,085	\$160,365	\$162,068	\$149,971	\$151,743
City of Glendale	\$608,334	\$615,218	\$620,989	\$628,151	\$635,458	\$641,658	\$649,259	\$592,361	\$600,270
City of Glendora	\$55,889	\$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	\$0
City of Hawthorne	\$94,382	\$95,375	\$96,163	\$97,196	\$98,250	\$99,101	\$100,197	\$92,250	\$93,390
City of Hermosa Beach	\$42,371	\$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	\$0
City of Huntington Park	\$75,016	\$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	\$0
City of Inglewood	\$76,062	\$76,449	\$76,502	\$76,905	\$77,317	\$77,393	\$77,821	\$76,236	\$76,681
City of Irwindale	\$1,571	\$1,588	\$1,601	\$1,618	\$1,636	\$1,650	\$1,668	\$1,536	\$1,555
City of La Canada Flintridge	\$822	\$834	\$846	\$858	\$871	\$883	\$897	\$788	\$802
City of La Habra Heights	\$2,275	\$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	\$0
City of La Puente	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of La Verne	\$30,429	\$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	\$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	\$1,074,283	\$1,083,113	\$1,088,596	\$1,097,783	\$1,107,153	\$1,113,188	\$1,122,937	\$1,061,351	\$1,071,494

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
City of Los Angeles	\$1,453,788	\$4,200,108	\$7,433,182	\$7,537,119	\$7,775,642	\$7,819,320	\$7,905,565	\$7,977,130
City of Lynwood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Manhattan Beach	\$51,001	\$147,347	\$189,537	\$192,995	\$201,919	\$204,003	\$206,829	\$209,509
City of Maywood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Monrovia	\$20,219	\$58,414	\$108,340	\$109,799	\$113,078	\$113,647	\$114,860	\$115,844
City of Montebello	\$18,935	\$54,705	\$118,107	\$119,517	\$122,458	\$122,862	\$124,045	\$124,926
City of Monterey Park	\$9,734	\$28,121	\$51,815	\$52,516	\$54,097	\$54,874	\$54,957	\$55,431
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	\$2,433	\$7,029	\$13,990	\$14,168	\$14,555	\$14,616	\$14,764	\$14,880
City of Paramount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pasadena	\$18,446	\$53,293	\$213,177	\$214,810	\$216,909	\$216,542	\$217,970	\$218,594
City of Pico Rivera	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pomona	\$98,680	\$285,095	\$370,795	\$377,497	\$394,731	\$398,732	\$404,211	\$409,388
City of Ranchos Palos Verdes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Redondo Beach	\$12,859	\$37,149	\$116,692	\$117,746	\$119,458	\$119,450	\$120,356	\$120,867
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	\$4,275	\$12,352	\$24,584	\$24,897	\$25,577	\$25,685	\$25,946	\$26,150
City of San Gabriel	\$24,903	\$71,948	\$139,966	\$141,780	\$145,767	\$146,417	\$147,930	\$149,126
City of San Marino	\$7,521	\$21,729	\$38,656	\$39,195	\$40,427	\$40,651	\$41,098	\$41,468
City of Santa Clarita	\$26,848	\$77,566	\$95,139	\$96,947	\$101,681	\$102,814	\$104,288	\$105,710
City of Santa Fe Springs	\$4,110	\$11,875	\$36,845	\$37,181	\$37,732	\$37,733	\$38,021	\$38,186
City of Santa Monica	\$17,233	\$49,789	\$267,039	\$268,744	\$270,176	\$269,307	\$270,831	\$271,253
City of Sierra Madre	\$3,303	\$9,541	\$20,599	\$20,845	\$21,358	\$21,429	\$21,635	\$21,789
City of Signal Hill	\$2,755	\$7,959	\$18,634	\$18,843	\$19,259	\$19,307	\$19,483	\$19,607
City of South El Monte	\$0	\$0	\$1,069	\$1,072	\$1,064	\$1,055	\$1,058	\$1,056
City of South Gate	\$19,453	\$56,200	\$101,711	\$103,108	\$106,282	\$106,849	\$108,009	\$108,961
City of South Pasadena	\$7,749	\$22,389	\$48,337	\$48,914	\$50,117	\$50,283	\$50,767	\$51,128
City of Temple City	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Torrance	\$17,845	\$51,557	\$256,278	\$257,990	\$259,630	\$258,888	\$260,410	\$260,894
City of Vernon	\$7,244	\$20,928	\$46,652	\$47,195	\$48,309	\$48,452	\$48,908	\$49,242
City of Walnut	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of West Covina	\$32,146	\$92,874	\$200,512	\$202,906	\$207,898	\$208,584	\$210,592	\$212,088
City of Westlake Village	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Whittier	\$10,084	\$29,133	\$72,066	\$72,841	\$74,335	\$74,480	\$75,135	\$75,583
County of Los Angeles	\$673,636	\$1,946,188	\$5,395,143	\$5,448,463	\$5,543,764	\$5,548,885	\$5,594,323	\$5,622,826
Inglewood Unified School District	\$1,687	\$4,875	\$9,703	\$9,827	\$10,095	\$10,138	\$10,241	\$10,321
Los Angeles Unified School District	\$42,598	\$123,068	\$322,042	\$325,363	\$331,539	\$332,011	\$334,831	\$336,679
UCLA	\$3,816	\$11,024	\$103,070	\$103,564	\$103,538	\$103,005	\$103,466	\$103,455
Total	\$3,166,369	\$9,147,888	\$19,544,810	\$19,780,060	\$20,273,386	\$20,342,516	\$20,539,776	\$20,687,633

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

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

	FY 2023/24	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 Los Angeles	\$8,050,453	\$8,141,978	\$8,218,926	\$8,314,148	\$8,411,275	\$8,493,937	\$8,594,988	\$7,837,177	\$7,942,310
City of Lynwood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Manhattan Beach	\$212,248	\$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	\$0
City of Monrovia	\$116,852	\$118,139	\$119,199	\$120,538	\$121,905	\$123,044	\$124,466	\$113,943	\$115,422
City of Montebello	\$125,831	\$127,087	\$128,042	\$129,348	\$130,881	\$131,714	\$133,100	\$123,301	\$124,744
City of Monterey Park	\$55,918	\$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	\$0
City of Palmdale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Palos Verdes Estates	\$15,000	\$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	\$0
City of Pasadena	\$219,248	\$220,763	\$221,476	\$223,058	\$224,661	\$225,469	\$227,142	\$217,925	\$219,666
City of Pico Rivera	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pomona	\$414,677	\$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	\$0
City of Redondo Beach	\$121,397	\$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	\$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	\$26,359	\$26,636	\$26,857	\$27,145	\$27,439	\$27,677	\$27,983	\$25,764	\$26,082
City of San Gabriel	\$150,352	\$151,958	\$153,248	\$154,918	\$156,622	\$158,012	\$159,785	\$146,846	\$148,690
City of San Marino	\$41,847	\$42,321	\$42,718	\$43,212	\$43,715	\$44,142	\$44,666	\$40,746	\$41,290
City of Santa Clarita	\$107,163	\$108,727	\$110,242	\$111,870	\$113,530	\$115,142	\$116,870	\$102,734	\$104,531
City of Santa Fe Springs	\$38,356	\$38,662	\$38,844	\$39,163	\$39,487	\$39,689	\$40,027	\$37,937	\$38,289
City of Santa Monica	\$271,705	\$273,323	\$274,839	\$276,522	\$277,239	\$277,856	\$279,642	\$271,259	\$273,117
City of Sierra Madre	\$21,946	\$22,165	\$22,332	\$22,560	\$22,792	\$22,972	\$23,214	\$21,505	\$21,757
City of Signal Hill	\$19,736	\$19,923	\$20,059	\$20,253	\$20,451	\$20,599	\$20,805	\$19,385	\$19,599
City of South El Monte	\$1,053	\$1,056	\$1,054	\$1,057	\$1,061	\$1,059	\$1,062	\$1,066	\$1,069
City of South Gate	\$109,937	\$111,169	\$112,193	\$113,474	\$114,781	\$115,883	\$117,242	\$107,110	\$108,524
City of South Pasadena	\$51,498	\$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	\$0
City of Torrance	\$261,409	\$263,024	\$263,604	\$265,284	\$266,998	\$267,678	\$269,461	\$260,712	\$262,567
City of Vernon	\$49,585	\$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	\$0
City of West Covina	\$213,625	\$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	\$0
City of Whittier	\$76,043	\$76,789	\$77,228	\$77,952	\$78,690	\$79,222	\$79,990	\$74,803	\$75,602
County of Los Angeles	\$5,652,255	\$5,709,474	\$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	\$10,404	\$10,513	\$10,600	\$10,714	\$10,830	\$10,924	\$11,045	\$10,169	\$10,295
Los Angeles Unified School District	\$338,584	\$341,577	\$343,601	\$346,714	\$349,889	\$352,100	\$355,403	\$333,548	\$336,985
UCLA	\$103,452	\$103,941	\$103,958	\$104,467	\$104,986	\$105,034	\$105,574	\$103,865	\$104,427
<b>Total</b>	<b>\$20,839,514</b>	<b>\$21,048,847</b>	<b>\$21,209,019</b>	<b>\$21,426,809</b>	<b>\$21,648,955</b>	<b>\$21,822,196</b>	<b>\$22,053,317</b>	<b>\$20,414,047</b>	<b>\$20,654,505</b>

**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
<b>LMR</b>									
Operations and Maintenance (from Phase 5 LMR Contract)			\$4,011,090	\$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	\$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
<b>LMR Total</b>			<b>\$10,161,459</b>	<b>\$10,188,329</b>	<b>\$10,109,041</b>	<b>\$10,030,302</b>	<b>\$10,058,817</b>	<b>\$10,034,555</b>	<b>\$10,010,875</b>
<b>LTE</b>									
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
<b>LTE Total</b>	<b>\$3,166,369</b>	<b>\$12,616,702</b>	<b>\$12,852,165</b>	<b>\$13,060,545</b>	<b>\$13,633,159</b>	<b>\$13,781,029</b>	<b>\$13,950,094</b>	<b>\$14,122,541</b>	<b>\$14,298,437</b>
<b>Total LMR+LTE</b>	<b>\$3,166,369</b>	<b>\$12,616,702</b>	<b>\$23,013,624</b>	<b>\$23,248,874</b>	<b>\$23,742,200</b>	<b>\$23,811,330</b>	<b>\$24,008,911</b>	<b>\$24,157,097</b>	<b>\$24,309,312</b>

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.

DRAFT

**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
<b>LMR</b>									
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	\$55,898,520
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	\$72,102,617
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
<b>LMR Total</b>	<b>\$10,041,135</b>	<b>\$10,018,653</b>	<b>\$10,050,136</b>	<b>\$10,082,249</b>	<b>\$10,061,656</b>	<b>\$10,095,066</b>	<b>\$10,129,145</b>	<b>\$10,163,905</b>	
<b>LTE</b>									
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
<b>LTE Total</b>	<b>\$14,477,851</b>	<b>\$14,660,853</b>	<b>\$14,847,516</b>	<b>\$15,037,911</b>	<b>\$15,232,114</b>	<b>\$15,430,202</b>	<b>\$13,757,238</b>	<b>\$13,963,328</b>	
<b>Total LMR+LTE</b>	<b>\$24,518,987</b>	<b>\$24,679,506</b>	<b>\$24,897,652</b>	<b>\$25,120,160</b>	<b>\$25,293,770</b>	<b>\$25,525,268</b>	<b>\$23,886,383</b>	<b>\$24,127,233</b>	

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.

DRAFT

**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
City of Agoura Hills	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Alhambra	\$21,706	\$86,490	\$156,472	\$158,081	\$161,473	\$161,957	\$163,307	\$164,326
City of Arcadia	\$17,034	\$67,874	\$124,910	\$126,179	\$128,824	\$129,187	\$130,253	\$131,048
City of Artesia	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Avalon	\$507	\$2,021	\$3,879	\$3,917	\$3,995	\$4,004	\$4,036	\$4,060
City of Azusa	\$8,391	\$33,435	\$57,444	\$58,058	\$59,393	\$59,604	\$60,117	\$60,518
City of Baldwin Park	\$13,649	\$54,386	\$93,440	\$94,439	\$96,610	\$96,953	\$97,788	\$98,441
City of Bell	\$6,386	\$25,445	\$43,716	\$44,183	\$45,199	\$45,359	\$45,750	\$46,055
City of Bell Gardens	\$5,272	\$21,008	\$36,279	\$36,665	\$37,503	\$37,633	\$37,957	\$38,208
City of Bellflower	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Beverly Hills	\$53,173	\$211,874	\$293,518	\$297,223	\$306,233	\$308,114	\$311,171	\$313,882
City of Bradbury	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Burbank	\$46,764	\$186,334	\$365,007	\$368,548	\$375,638	\$376,464	\$379,453	\$381,581
City of Calabasas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Carson	\$1,166	\$4,647	\$8,439	\$8,526	\$8,708	\$8,733	\$8,806	\$8,861
City of Cerritos	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Claremont	\$12,751	\$50,809	\$78,955	\$79,866	\$81,960	\$82,344	\$83,102	\$83,731
City of Commerce	\$10,143	\$40,416	\$56,062	\$56,769	\$58,487	\$58,845	\$59,429	\$59,946
City of Compton	\$6,511	\$25,945	\$50,078	\$50,569	\$51,562	\$51,683	\$52,097	\$52,395
City of Covina	\$3,460	\$13,788	\$54,516	\$54,851	\$55,161	\$55,009	\$55,307	\$55,399
City of Culver City	\$14,172	\$56,468	\$156,322	\$157,516	\$159,308	\$159,204	\$160,238	\$160,774
City of Downey	\$32,979	\$131,408	\$213,240	\$215,621	\$220,966	\$221,891	\$223,874	\$225,481
City of Duarte	\$3,803	\$15,152	\$20,726	\$20,990	\$21,637	\$21,773	\$21,991	\$22,186
City of El Monte	\$8,739	\$34,823	\$84,009	\$84,713	\$85,915	\$85,947	\$86,549	\$86,910
City of El Segundo	\$5,037	\$20,069	\$36,934	\$37,310	\$38,092	\$38,199	\$38,514	\$38,749
City of Gardena	\$23,363	\$93,092	\$169,149	\$170,883	\$174,529	\$175,044	\$176,500	\$177,595
City of Glendale	\$109,177	\$435,027	\$681,640	\$689,455	\$707,338	\$710,589	\$717,087	\$722,464
City of Glendora	\$9,065	\$36,420	\$62,056	\$62,720	\$64,162	\$64,389	\$64,944	\$65,378
City of Hawaiian Gardens	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Hawthorne	\$15,808	\$60,997	\$104,797	\$105,917	\$108,353	\$108,737	\$109,674	\$110,406
City of Hermosa Beach	\$5,548	\$21,989	\$46,251	\$46,677	\$47,489	\$47,562	\$47,924	\$48,167
City of Hidden Hills	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Huntington Park	\$12,018	\$47,886	\$83,206	\$84,088	\$85,993	\$86,287	\$87,025	\$87,598
City of Industry	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Inglewood	\$3,415	\$13,608	\$79,213	\$79,610	\$79,718	\$79,371	\$79,737	\$79,767
City of Irwindale	\$255	\$1,016	\$1,745	\$1,763	\$1,804	\$1,810	\$1,826	\$1,838
City of La Canada Flintridge	\$207	\$824	\$956	\$970	\$1,006	\$1,015	\$1,026	\$1,037
City of La Habra Heights	\$359	\$1,431	\$2,520	\$2,547	\$2,603	\$2,612	\$2,634	\$2,651
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	\$1,943	\$7,740	\$32,029	\$32,220	\$32,383	\$32,287	\$32,458	\$32,506
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	\$120,795	\$481,319	\$1,161,424	\$1,171,149	\$1,187,757	\$1,188,198	\$1,196,531	\$1,201,507
City of Los Angeles	\$1,453,788	\$5,792,759	\$9,025,832	\$9,129,770	\$9,368,293	\$9,411,970	\$9,498,364	\$9,570,079

LA-RICS

Cash Flow Estimates

March 2014

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

	FY 2023/24	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	\$0
City of Alhambra	\$165,373	\$166,806	\$167,910	\$169,401	\$170,922	\$172,115	\$173,698	\$162,459	\$164,105
City of Arcadia	\$131,864	\$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	\$0
City of Avalon	\$4,084	\$4,118	\$4,143	\$4,179	\$4,215	\$4,242	\$4,280	\$4,018	\$4,057
City of Azusa	\$60,930	\$61,475	\$61,908	\$62,476	\$63,054	\$63,521	\$64,123	\$59,768	\$60,394
City of Baldwin Park	\$99,110	\$99,997	\$100,702	\$101,624	\$102,565	\$103,325	\$104,304	\$97,220	\$98,239
City of Bell	\$46,369	\$46,784	\$47,113	\$47,545	\$47,985	\$48,341	\$48,799	\$45,484	\$45,961
City of Bell Gardens	\$38,466	\$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	\$0
City of Beverly Hills	\$316,654	\$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	\$0
City of Burbank	\$383,771	\$386,942	\$389,257	\$392,567	\$395,923	\$398,436	\$401,937	\$377,817	\$381,460
City of Calabasas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Carson	\$8,917	\$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	\$0
City of Claremont	\$84,376	\$85,180	\$85,857	\$86,692	\$87,545	\$88,272	\$89,159	\$82,513	\$83,436
City of Commerce	\$60,474	\$61,094	\$61,647	\$62,291	\$62,948	\$63,540	\$64,223	\$58,914	\$59,625
City of Compton	\$52,702	\$53,141	\$53,465	\$53,922	\$54,388	\$54,740	\$55,225	\$51,864	\$52,369
City of Covina	\$55,497	\$55,814	\$55,924	\$56,253	\$56,589	\$56,720	\$57,069	\$55,376	\$55,740
City of Culver City	\$161,331	\$162,428	\$163,029	\$164,170	\$165,335	\$166,004	\$167,215	\$160,059	\$161,319
City of Downey	\$227,128	\$229,233	\$230,963	\$233,153	\$235,387	\$237,249	\$239,573	\$222,415	\$224,833
City of Duarte	\$22,385	\$22,616	\$22,824	\$23,064	\$23,310	\$23,532	\$23,788	\$21,796	\$22,062
City of El Monte	\$87,282	\$87,922	\$88,319	\$88,985	\$89,664	\$90,102	\$90,808	\$86,353	\$87,088
City of El Segundo	\$38,991	\$39,325	\$39,580	\$39,928	\$40,283	\$40,558	\$40,928	\$38,322	\$38,706
City of Gardena	\$178,719	\$180,265	\$181,450	\$183,058	\$184,698	\$185,980	\$187,686	\$175,591	\$177,366
City of Glendale	\$727,973	\$734,870	\$740,652	\$747,827	\$755,146	\$761,358	\$768,973	\$712,088	\$720,010
City of Glendora	\$65,822	\$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	\$0
City of Hawthorne	\$111,157	\$112,152	\$112,942	\$113,977	\$115,032	\$115,884	\$116,982	\$109,037	\$110,179
City of Hermosa Beach	\$48,418	\$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	\$0
City of Huntington Park	\$88,185	\$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	\$0
City of Inglewood	\$79,804	\$80,192	\$80,245	\$80,649	\$81,061	\$81,138	\$81,566	\$79,981	\$80,427
City of Irwindale	\$1,851	\$1,867	\$1,880	\$1,898	\$1,915	\$1,929	\$1,948	\$1,815	\$1,834
City of La Canada Flintridge	\$1,049	\$1,061	\$1,072	\$1,085	\$1,098	\$1,110	\$1,123	\$1,015	\$1,028
City of La Habra Heights	\$2,668	\$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	\$0
City of La Puente	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of La Verne	\$32,558	\$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	\$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	\$1,206,653	\$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	\$9,643,556	\$9,735,237	\$9,812,346	\$9,907,731	\$10,005,023	\$10,087,856	\$10,189,079	\$9,431,445	\$9,536,758

**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
City of Lynwood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Manhattan Beach	\$51,001	\$203,219	\$245,410	\$248,868	\$257,791	\$259,876	\$262,707	\$265,393
City of Maywood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Monrovia	\$20,219	\$80,564	\$130,491	\$131,949	\$135,228	\$135,797	\$137,012	\$137,998
City of Montebello	\$18,935	\$75,449	\$138,851	\$140,261	\$143,202	\$143,606	\$144,791	\$145,674
City of Monterey Park	\$9,734	\$38,784	\$62,478	\$63,180	\$64,761	\$65,037	\$65,621	\$66,097
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	\$2,433	\$9,694	\$16,655	\$16,833	\$17,220	\$17,281	\$17,430	\$17,546
City of Paramount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pasadena	\$18,446	\$73,501	\$233,385	\$235,018	\$237,117	\$236,751	\$238,180	\$238,806
City of Pico Rivera	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pomona	\$98,680	\$393,201	\$478,901	\$485,603	\$502,837	\$506,838	\$512,327	\$517,514
City of Ranchos Palos Verdes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Redondo Beach	\$12,859	\$51,236	\$130,779	\$131,888	\$133,545	\$133,537	\$134,444	\$134,956
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	\$4,275	\$17,035	\$29,268	\$29,581	\$30,261	\$30,368	\$30,630	\$30,834
City of San Gabriel	\$24,903	\$99,230	\$167,248	\$169,062	\$173,049	\$173,699	\$175,215	\$176,413
City of San Marino	\$7,521	\$29,969	\$46,896	\$47,434	\$48,667	\$48,891	\$49,338	\$49,709
City of Santa Clarita	\$26,848	\$106,978	\$124,551	\$126,359	\$131,093	\$132,226	\$133,703	\$135,128
City of Santa Fe Springs	\$4,110	\$16,378	\$41,348	\$41,684	\$42,235	\$42,236	\$42,524	\$42,689
City of Santa Monica	\$17,233	\$68,668	\$285,919	\$287,624	\$289,055	\$288,187	\$289,713	\$290,136
City of Sierra Madre	\$3,303	\$13,159	\$24,217	\$24,463	\$24,976	\$25,047	\$25,253	\$25,407
City of Signal Hill	\$2,755	\$10,977	\$21,651	\$21,860	\$22,277	\$22,324	\$22,501	\$22,626
City of South El Monte	\$0	\$0	\$1,069	\$1,072	\$1,064	\$1,055	\$1,058	\$1,056
City of South Gate	\$19,453	\$77,511	\$129,022	\$124,418	\$127,593	\$128,159	\$129,322	\$130,276
City of South Pasadena	\$7,749	\$30,878	\$56,827	\$57,404	\$58,607	\$58,772	\$59,257	\$59,619
City of Temple City	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Torrance	\$17,845	\$71,107	\$275,828	\$277,540	\$279,180	\$278,438	\$279,961	\$280,448
City of Vernon	\$7,244	\$28,864	\$54,587	\$55,131	\$56,244	\$56,387	\$56,845	\$57,179
City of Walnut	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of West Covina	\$32,146	\$128,091	\$235,729	\$238,123	\$243,115	\$243,801	\$245,813	\$247,312
City of Westlake Village	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Whittier	\$10,084	\$40,179	\$83,113	\$83,888	\$85,382	\$85,526	\$86,183	\$86,632
County of Los Angeles	\$673,636	\$2,684,169	\$6,133,123	\$6,186,443	\$6,281,744	\$6,286,866	\$6,332,372	\$6,360,945
Inglewood Unified School District	\$1,687	\$6,724	\$11,552	\$11,676	\$11,944	\$11,986	\$12,090	\$12,170
Los Angeles Unified School District	\$42,598	\$169,734	\$368,709	\$372,030	\$378,206	\$378,678	\$381,502	\$383,354
UCLA	\$3,816	\$15,204	\$107,251	\$107,744	\$107,718	\$107,186	\$107,647	\$107,636
<b>Total</b>	<b>\$3,166,369</b>	<b>\$12,616,702</b>	<b>\$23,013,624</b>	<b>\$23,248,874</b>	<b>\$23,742,200</b>	<b>\$23,811,330</b>	<b>\$24,008,911</b>	<b>\$24,157,097</b>

LA-RICS

Cash Flow Estimates

March 2014

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

	FY 2023/24	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	\$0
City of Manhattan Beach	\$268,136	\$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	\$0
City of Monrovia	\$139,008	\$140,298	\$141,360	\$142,702	\$144,070	\$145,212	\$146,636	\$136,116	\$137,598
City of Montebello	\$146,581	\$147,839	\$148,796	\$150,104	\$151,489	\$152,474	\$153,863	\$144,066	\$145,511
City of Monterey Park	\$66,584	\$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	\$0
City of Palmdale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Palos Verdes Estates	\$17,666	\$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	\$0
City of Pasadena	\$239,462	\$240,979	\$241,694	\$243,273	\$244,889	\$245,693	\$247,368	\$238,154	\$239,897
City of Pico Rivera	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pomona	\$522,813	\$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	\$0
City of Redondo Beach	\$135,488	\$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	\$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	\$31,044	\$31,322	\$31,548	\$31,834	\$32,126	\$32,364	\$32,671	\$30,452	\$30,771
City of San Gabriel	\$177,642	\$179,250	\$180,543	\$182,216	\$183,923	\$185,316	\$187,092	\$174,156	\$176,003
City of San Marino	\$50,089	\$50,564	\$50,962	\$51,456	\$51,960	\$52,388	\$52,913	\$48,994	\$49,539
City of Santa Clarita	\$136,583	\$138,151	\$139,668	\$141,299	\$142,963	\$144,578	\$146,309	\$132,176	\$133,977
City of Santa Fe Springs	\$42,860	\$43,167	\$43,350	\$43,668	\$43,993	\$44,195	\$44,534	\$42,445	\$42,797
City of Santa Monica	\$290,590	\$292,209	\$292,728	\$294,413	\$296,131	\$296,751	\$298,539	\$290,158	\$292,018
City of Sierra Madre	\$25,565	\$25,785	\$25,952	\$26,180	\$26,413	\$26,593	\$26,836	\$25,127	\$25,379
City of Signal Hill	\$22,755	\$22,942	\$23,078	\$23,273	\$23,472	\$23,619	\$23,826	\$22,406	\$22,621
City of South El Monte	\$1,053	\$1,056	\$1,054	\$1,057	\$1,061	\$1,059	\$1,062	\$1,066	\$1,069
City of South Gate	\$131,254	\$132,487	\$133,514	\$134,797	\$136,106	\$137,210	\$138,572	\$128,442	\$129,859
City of South Pasadena	\$59,990	\$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	\$0
City of Torrance	\$280,965	\$282,582	\$283,163	\$284,845	\$286,561	\$287,244	\$289,029	\$280,282	\$283,139
City of Vernon	\$57,523	\$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	\$0
City of West Covina	\$248,852	\$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	\$0
City of Whittier	\$87,093	\$87,790	\$88,280	\$89,005	\$89,745	\$90,278	\$91,047	\$85,861	\$86,662
County of Los Angeles	\$6,390,445	\$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	\$12,253	\$12,363	\$12,450	\$12,564	\$12,680	\$12,774	\$12,895	\$12,020	\$12,145
Los Angeles Unified School District	\$385,264	\$388,261	\$390,290	\$393,407	\$396,588	\$398,803	\$402,112	\$380,262	\$383,705
UCLA	\$107,634	\$108,123	\$108,141	\$108,650	\$109,169	\$109,217	\$109,758	\$108,050	\$108,612
Total	\$24,309,312	\$24,518,987	\$24,679,506	\$24,897,652	\$25,120,160	\$25,293,770	\$25,525,268	\$23,886,383	\$24,127,233

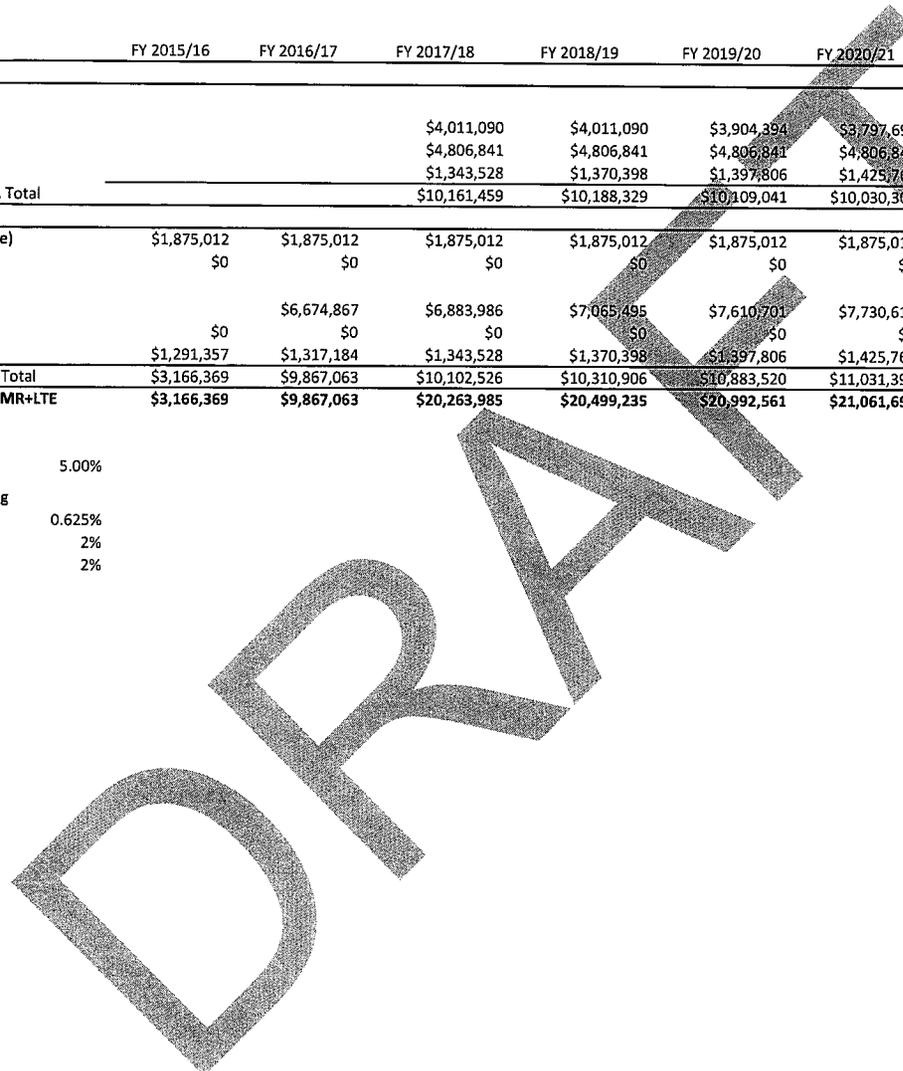
**LA-RICS**  
**Cash Flow Estimates**  
**March 2014**

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
<b>LMR</b>									
Operations and Maintenance (from Phase 5 LMR Contract)			\$4,011,090	\$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	\$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
<b>LMR Total</b>			<b>\$10,161,459</b>	<b>\$10,188,329</b>	<b>\$10,109,041</b>	<b>\$10,030,302</b>	<b>\$10,058,817</b>	<b>\$10,034,555</b>	<b>\$10,010,875</b>
<b>LTE</b>									
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
<b>LTE Total</b>	<b>\$3,166,369</b>	<b>\$9,867,063</b>	<b>\$10,102,526</b>	<b>\$10,310,906</b>	<b>\$10,883,520</b>	<b>\$11,031,390</b>	<b>\$11,214,517</b>	<b>\$11,401,307</b>	<b>\$11,591,833</b>
<b>Total LMR+LTE</b>	<b>\$3,166,369</b>	<b>\$9,867,063</b>	<b>\$20,263,985</b>	<b>\$20,499,235</b>	<b>\$20,992,561</b>	<b>\$21,061,691</b>	<b>\$21,273,334</b>	<b>\$21,435,863</b>	<b>\$21,602,708</b>

<b>Interest Rates</b>	
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 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
<b>LMR</b>									
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	\$55,898,520
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	\$72,102,617
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
<b>LMR Total</b>	<b>\$10,041,135</b>	<b>\$10,018,653</b>	<b>\$10,050,136</b>	<b>\$10,082,249</b>	<b>\$10,061,656</b>	<b>\$10,095,066</b>	<b>\$10,129,145</b>	<b>\$10,163,905</b>	
<b>LTE</b>									
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
<b>LTE Total</b>	<b>\$11,786,170</b>	<b>\$11,984,393</b>	<b>\$12,186,581</b>	<b>\$12,392,812</b>	<b>\$12,603,168</b>	<b>\$12,817,731</b>	<b>\$11,161,573</b>	<b>\$11,384,805</b>	
<b>Total LMR+LTE</b>	<b>\$21,827,305</b>	<b>\$22,003,046</b>	<b>\$22,236,717</b>	<b>\$22,475,061</b>	<b>\$22,664,824</b>	<b>\$22,912,797</b>	<b>\$21,290,718</b>	<b>\$21,548,709</b>	

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.

DRAFT

**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
City of Agoura Hills	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Alhambra	\$21,706	\$67,641	\$137,622	\$139,231	\$142,623	\$143,107	\$144,555	\$145,672
City of Arcadia	\$17,034	\$53,082	\$110,118	\$111,386	\$114,032	\$114,395	\$115,537	\$116,408
City of Artesia	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Avalon	\$507	\$1,580	\$3,439	\$3,477	\$3,554	\$3,564	\$3,598	\$3,624
City of Azusa	\$8,391	\$26,148	\$50,157	\$50,771	\$52,106	\$52,317	\$52,868	\$53,307
City of Baldwin Park	\$13,649	\$42,533	\$81,587	\$82,586	\$84,757	\$85,100	\$85,996	\$86,711
City of Bell	\$6,386	\$19,899	\$38,170	\$38,638	\$39,654	\$39,814	\$40,233	\$40,567
City of Bell Gardens	\$5,272	\$16,429	\$31,701	\$32,087	\$32,924	\$33,055	\$33,402	\$33,677
City of Bellflower	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Beverly Hills	\$53,173	\$165,699	\$247,343	\$251,048	\$260,058	\$261,939	\$265,232	\$268,183
City of Bradbury	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Burbank	\$46,764	\$145,725	\$324,398	\$327,939	\$335,029	\$335,855	\$339,052	\$341,392
City of Calabasas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Carson	\$1,166	\$3,634	\$7,426	\$7,513	\$7,695	\$7,721	\$7,799	\$7,859
City of Cerritos	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Claremont	\$12,751	\$39,736	\$67,882	\$68,793	\$70,887	\$71,271	\$72,085	\$72,772
City of Commerce	\$10,143	\$31,608	\$47,254	\$47,961	\$49,679	\$50,037	\$50,666	\$51,229
City of Compton	\$6,511	\$20,291	\$44,424	\$44,915	\$45,908	\$46,029	\$46,472	\$46,799
City of Covina	\$3,460	\$10,783	\$51,511	\$51,846	\$52,156	\$52,004	\$52,318	\$52,425
City of Culver City	\$14,172	\$44,162	\$144,016	\$145,210	\$147,002	\$146,898	\$147,995	\$148,595
City of Downey	\$32,979	\$102,769	\$184,602	\$186,982	\$192,327	\$193,252	\$195,382	\$197,138
City of Duarte	\$3,803	\$11,850	\$17,424	\$17,688	\$18,335	\$18,471	\$18,706	\$18,918
City of El Monte	\$8,739	\$27,234	\$76,420	\$77,124	\$78,325	\$78,357	\$78,999	\$79,399
City of El Segundo	\$5,037	\$15,696	\$32,561	\$32,936	\$33,718	\$33,825	\$34,163	\$34,421
City of Gardena	\$23,363	\$72,804	\$148,861	\$150,595	\$154,240	\$154,756	\$156,315	\$157,516
City of Glendale	\$109,177	\$340,219	\$586,831	\$594,647	\$612,530	\$615,781	\$622,764	\$628,635
City of Glendora	\$9,065	\$28,248	\$54,184	\$54,848	\$56,290	\$56,518	\$57,113	\$57,587
City of Hawaiian Gardens	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Hawthorne	\$15,308	\$47,703	\$91,504	\$92,624	\$95,059	\$95,444	\$96,449	\$97,250
City of Hermosa Beach	\$5,518	\$17,197	\$41,459	\$41,885	\$42,697	\$42,770	\$43,156	\$43,425
City of Hidden Hills	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Huntington Park	\$12,018	\$37,450	\$72,770	\$73,652	\$75,557	\$75,851	\$76,643	\$77,269
City of Industry	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Inglewood	\$3,415	\$10,643	\$76,247	\$76,644	\$76,752	\$76,405	\$76,786	\$76,832
City of Irwindale	\$255	\$794	\$1,524	\$1,542	\$1,583	\$1,589	\$1,606	\$1,619
City of La Canada Flintridge	\$207	\$644	\$776	\$790	\$827	\$836	\$848	\$860
City of La Habra Heights	\$359	\$1,119	\$2,208	\$2,235	\$2,291	\$2,300	\$2,324	\$2,342
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	\$1,949	\$6,053	\$30,342	\$30,533	\$30,696	\$30,600	\$30,780	\$30,837
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	\$120,795	\$376,422	\$1,056,527	\$1,066,252	\$1,082,860	\$1,083,301	\$1,092,170	\$1,097,694
City of Los Angeles	\$1,453,788	\$4,530,306	\$7,763,379	\$7,867,317	\$8,105,840	\$8,149,517	\$8,242,367	\$8,320,667
City of Lynwood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

**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 2023/24	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	\$0
City of Alhambra	\$146,819	\$148,354	\$149,562	\$151,160	\$152,790	\$154,093	\$155,789	\$144,665	\$146,429
City of Arcadia	\$117,303	\$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	\$0
City of Avalon	\$3,650	\$3,687	\$3,714	\$3,752	\$3,790	\$3,821	\$3,862	\$3,602	\$3,644
City of Azusa	\$53,757	\$54,342	\$54,816	\$55,424	\$56,044	\$56,554	\$57,200	\$52,889	\$53,561
City of Baldwin Park	\$87,443	\$88,394	\$89,164	\$90,154	\$91,163	\$91,993	\$93,043	\$86,031	\$87,124
City of Bell	\$40,910	\$41,355	\$41,716	\$42,178	\$42,651	\$43,039	\$43,530	\$40,250	\$40,761
City of Bell Gardens	\$33,960	\$34,328	\$34,625	\$35,008	\$35,398	\$35,748	\$36,124	\$33,417	\$33,839
City of Bellflower	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Beverly Hills	\$271,202	\$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	\$0
City of Burbank	\$343,798	\$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	\$0
City of Carson	\$7,920	\$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	\$0
City of Claremont	\$73,476	\$74,340	\$75,078	\$75,977	\$76,893	\$77,685	\$78,638	\$72,060	\$73,052
City of Commerce	\$51,804	\$52,471	\$53,073	\$53,767	\$54,475	\$55,118	\$55,855	\$50,599	\$51,365
City of Compton	\$47,136	\$47,606	\$47,961	\$48,450	\$48,949	\$49,334	\$49,853	\$46,526	\$47,066
City of Covina	\$52,539	\$52,872	\$52,999	\$53,345	\$53,699	\$53,846	\$54,214	\$52,540	\$52,922
City of Culver City	\$149,217	\$150,381	\$151,050	\$152,261	\$153,496	\$154,238	\$155,523	\$148,442	\$149,779
City of Downey	\$198,937	\$201,198	\$203,087	\$205,439	\$207,838	\$209,868	\$212,363	\$195,380	\$197,977
City of Duarte	\$19,134	\$19,388	\$19,610	\$19,869	\$20,133	\$20,375	\$20,650	\$18,679	\$18,965
City of El Monte	\$79,811	\$80,492	\$80,932	\$81,641	\$82,363	\$82,845	\$83,597	\$79,189	\$79,971
City of El Segundo	\$34,685	\$35,044	\$35,322	\$35,695	\$36,075	\$36,376	\$36,772	\$34,193	\$34,604
City of Gardena	\$158,749	\$160,404	\$161,702	\$163,424	\$165,181	\$166,582	\$168,410	\$156,439	\$158,340
City of Glendale	\$634,649	\$642,060	\$648,367	\$656,077	\$663,942	\$670,712	\$678,894	\$622,589	\$631,102
City of Glendora	\$58,074	\$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	\$0
City of Hawthorne	\$98,072	\$99,188	\$100,002	\$101,112	\$102,244	\$103,174	\$104,352	\$96,488	\$97,713
City of Hermosa Beach	\$43,701	\$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	\$0
City of Huntington Park	\$77,912	\$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	\$0
City of Inglewood	\$76,885	\$77,289	\$77,358	\$77,779	\$78,208	\$78,302	\$78,749	\$77,181	\$77,646
City of Irwindale	\$1,633	\$1,651	\$1,665	\$1,683	\$1,702	\$1,718	\$1,737	\$1,606	\$1,627
City of La Canada Flintridge	\$872	\$885	\$898	\$911	\$925	\$939	\$953	\$845	\$860
City of La Habra Heights	\$2,362	\$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	\$0
City of La Puente	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of La Verne	\$30,898	\$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	\$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	\$1,103,398	\$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	\$8,400,862	\$8,499,394	\$8,583,491	\$8,686,005	\$8,790,568	\$8,880,817	\$8,989,605	\$8,239,686	\$8,352,869
City of Lynwood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

**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
City of Manhattan Beach	\$51,001	\$158,930	\$201,121	\$204,579	\$213,503	\$215,587	\$218,644	\$221,561
City of Maywood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Monrovia	\$20,219	\$63,007	\$112,933	\$114,391	\$117,670	\$118,239	\$119,544	\$120,621
City of Montebello	\$18,935	\$59,006	\$122,408	\$123,818	\$126,759	\$127,162	\$128,432	\$129,401
City of Monterey Park	\$9,734	\$30,332	\$54,026	\$54,727	\$56,908	\$56,585	\$57,212	\$57,731
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	\$2,433	\$7,581	\$14,542	\$14,720	\$15,107	\$15,168	\$15,328	\$15,455
City of Paramount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pasadena	\$18,446	\$57,482	\$217,367	\$219,000	\$221,099	\$220,732	\$222,244	\$222,953
City of Pico Rivera	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pomona	\$98,680	\$307,508	\$393,209	\$399,910	\$417,144	\$421,145	\$427,072	\$432,707
City of Ranchos Palos Verdes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Redondo Beach	\$12,859	\$40,070	\$119,613	\$120,667	\$122,379	\$122,370	\$123,335	\$123,906
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	\$4,275	\$13,323	\$25,555	\$25,868	\$26,548	\$26,656	\$26,936	\$27,160
City of San Gabriel	\$24,903	\$77,604	\$145,622	\$147,436	\$151,423	\$152,074	\$153,699	\$155,011
City of San Marino	\$7,521	\$23,438	\$40,865	\$40,903	\$42,135	\$42,360	\$42,841	\$43,245
City of Santa Clarita	\$26,848	\$83,663	\$101,237	\$103,045	\$107,779	\$108,912	\$110,508	\$112,055
City of Santa Fe Springs	\$4,110	\$12,809	\$37,779	\$38,115	\$38,666	\$38,666	\$38,973	\$39,157
City of Santa Monica	\$17,233	\$53,703	\$270,953	\$272,659	\$274,090	\$273,221	\$274,824	\$275,325
City of Sierra Madre	\$3,303	\$10,291	\$21,349	\$21,595	\$22,108	\$22,179	\$22,400	\$22,569
City of Signal Hill	\$2,755	\$8,585	\$19,259	\$19,468	\$19,885	\$19,932	\$20,121	\$20,258
City of South El Monte	\$0	\$0	\$1,069	\$1,072	\$1,064	\$1,055	\$1,058	\$1,056
City of South Gate	\$19,453	\$60,618	\$106,129	\$107,526	\$110,700	\$111,267	\$112,516	\$113,558
City of South Pasadena	\$7,749	\$24,149	\$50,097	\$50,674	\$51,878	\$52,043	\$52,562	\$52,959
City of Temple City	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Torrance	\$17,845	\$55,610	\$260,331	\$262,044	\$263,684	\$262,941	\$264,544	\$265,111
City of Vernon	\$7,244	\$22,573	\$48,297	\$48,840	\$49,954	\$50,097	\$50,587	\$50,954
City of Walnut	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of West Covina	\$32,146	\$100,175	\$207,813	\$210,207	\$215,199	\$215,885	\$218,040	\$219,685
City of Westlake Village	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Whittier	\$10,084	\$31,423	\$74,356	\$75,131	\$76,626	\$76,770	\$77,471	\$77,966
County of Los Angeles	\$673,636	\$2,099,191	\$5,548,145	\$5,601,465	\$5,696,766	\$5,701,888	\$5,750,386	\$5,782,010
Inglewood Unified School District	\$1,687	\$5,258	\$10,087	\$10,210	\$10,479	\$10,521	\$10,632	\$10,720
Los Angeles Unified School District	\$42,598	\$132,743	\$331,717	\$335,039	\$341,214	\$341,686	\$344,699	\$346,745
UCLA	\$9,816	\$11,891	\$103,937	\$104,431	\$104,405	\$103,872	\$104,350	\$104,356
<b>Total</b>	<b>\$3,166,369</b>	<b>\$9,867,063</b>	<b>\$20,263,985</b>	<b>\$20,499,235</b>	<b>\$20,992,561</b>	<b>\$21,061,691</b>	<b>\$21,273,334</b>	<b>\$21,435,863</b>

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

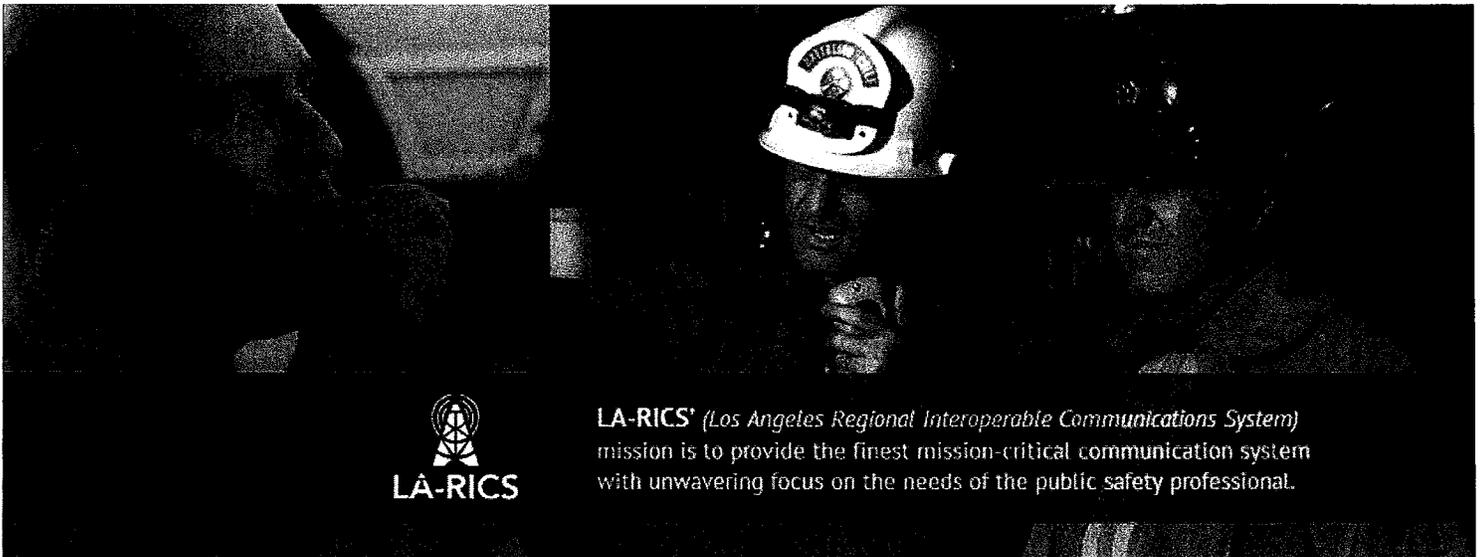
Annual Costs - Scenario 12, Excluding In-Kind Match and Capital Replacement, Adding HHS and Redundant Evolved Packet Core

Maintenance	FY 2023/24	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 Manhattan Beach	\$224,540	\$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	\$0
City of Monrovia	\$121,725	\$123,110	\$124,269	\$125,710	\$127,180	\$128,425	\$129,954	\$119,541	\$121,132
City of Montebello	\$130,395	\$131,742	\$132,790	\$134,192	\$135,621	\$136,753	\$138,240	\$128,544	\$130,091
City of Monterey Park	\$58,264	\$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	\$0
City of Palmdale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Palos Verdes Estates	\$15,586	\$15,755	\$15,893	\$16,069	\$16,249	\$16,897	\$16,584	\$15,334	\$15,529
City of Paramount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pasadena	\$223,694	\$225,298	\$226,102	\$227,774	\$229,474	\$230,378	\$232,149	\$223,032	\$224,875
City of Pico Rivera	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pomona	\$438,462	\$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	\$0
City of Redondo Beach	\$124,496	\$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	\$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	\$27,390	\$27,687	\$27,929	\$28,239	\$28,555	\$28,815	\$29,144	\$26,947	\$27,289
City of San Gabriel	\$156,355	\$158,080	\$159,493	\$161,288	\$163,119	\$164,640	\$166,545	\$153,741	\$155,723
City of San Marino	\$43,660	\$44,170	\$44,605	\$45,136	\$45,677	\$46,144	\$46,707	\$42,828	\$43,414
City of Santa Clarita	\$113,634	\$115,328	\$116,974	\$118,737	\$120,535	\$122,287	\$124,157	\$110,167	\$112,113
City of Santa Fe Springs	\$39,347	\$39,672	\$39,875	\$40,214	\$40,560	\$40,783	\$41,142	\$39,075	\$39,449
City of Santa Monica	\$275,859	\$277,553	\$278,160	\$279,930	\$281,735	\$282,442	\$284,320	\$276,031	\$277,984
City of Sierra Madre	\$22,743	\$22,977	\$23,160	\$23,405	\$23,654	\$23,851	\$24,111	\$22,420	\$22,689
City of Signal Hill	\$20,400	\$20,600	\$20,749	\$20,958	\$21,170	\$21,332	\$21,553	\$20,147	\$20,377
City of South El Monte	\$1,053	\$1,056	\$1,054	\$1,057	\$1,061	\$1,059	\$1,062	\$1,066	\$1,069
City of South Gate	\$114,626	\$115,951	\$117,071	\$118,450	\$119,856	\$121,059	\$122,522	\$112,496	\$114,018
City of South Pasadena	\$53,366	\$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	\$0
City of Torrance	\$265,711	\$267,412	\$268,079	\$269,849	\$271,654	\$272,427	\$274,305	\$265,653	\$267,607
City of Vernon	\$51,331	\$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	\$0
City of West Covina	\$221,374	\$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	\$0
City of Whittier	\$78,474	\$79,218	\$79,756	\$80,531	\$81,321	\$81,905	\$82,727	\$77,595	\$78,450
County of Los Angeles	\$5,814,623	\$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	\$10,811	\$10,928	\$11,024	\$11,146	\$11,271	\$11,373	\$11,503	\$10,636	\$10,771
Los Angeles Unified School District	\$348,852	\$352,049	\$354,283	\$357,609	\$361,003	\$363,436	\$366,966	\$345,342	\$349,015
UCLA	\$104,372	\$104,879	\$104,915	\$105,443	\$105,982	\$106,049	\$106,610	\$104,922	\$105,504
<b>Total</b>	<b>\$21,602,708</b>	<b>\$21,827,305</b>	<b>\$22,003,046</b>	<b>\$22,236,717</b>	<b>\$22,475,061</b>	<b>\$22,664,824</b>	<b>\$22,912,797</b>	<b>\$21,290,718</b>	<b>\$21,548,709</b>



# LA-RICS

## BUY IN COST FOR LATE ADOPTERS – DESCRIPTION, FORMULA, AND EXAMPLES



LA-RICS' (*Los Angeles Regional Interoperable Communications System*) mission is to provide the finest mission-critical communication system with unwavering focus on the needs of the public safety professional.

## LMR and LTE Buy-In Assumptions for Late Adopters, and Calculation Examples:

### LMR

A capacity, or standby, charge is a one-time charge and the amount is based on the year the member joins and their O&M cost share. A member pays that year's charge based on a progressive rate structure, and is not cumulative from prior years. The charge progressively increases each year and is above a member's annual costs.

Rationale: LMR has capacity for all members from the time of implementation and each member receives capacity in the system whether used or not by the member. When not used, early adopters are paying for it. A progressive charge recoups a portion of the amount paid by early adopters and provides an urgency measure to join.

### LTE

Upon joining, the member pays their cumulative hard match to catch up, plus one time buy-in comprised of a hard match fee and a separate capacity charge. The cumulative hard match is the amount starting from year 1 of LTE implementation. For example, if a member joins in year 5, it must pay its hard match share from years 1 - 5 ( $\$27,700 \times 5$ ). Also, the one time buy-in fee for the hard match is based on the year joined and the member's hard match annual share. In addition, similar to the LMR, a one time capacity, or standby, charge is applied based on the member's annual O&M cost share. The member pays that year's charge based on a progressive rate structure, and is not cumulative from prior years. Both the hard match fee and capacity charge progressively increase each year and are above a member's annual costs.

Rationale: If all members do not join LA-RICS, there will be a funding gap in the hard match requirement. Late adopters pay the buy-in hard match fee to help offset this cost of those who do not join. LTE has capacity for all members from the time of implementation and each member receives capacity in the system whether used or not by the member. When not used, early adopters are paying for it. The capacity fee is a progressive fee that recoups a portion of the amount paid by early adopters and provides an urgency measure to join.

### Formula for LMR Capacity Charge (One Time Buy-In)

$$\text{Member Agency's Annual LMR O\&M Cost} + \left( \frac{\text{Number of fiscal years preceding first year of LMR implementation that member joins LA-RICS}}{15 \text{ (years, lifespan of LMR backbone system)}} \right) = \text{Member's LMR Capacity Charge}$$

### Formula for LTE Hard Match One Time Buy-In

$$\text{Member Agency's Annualized Hard Match} + \left( \frac{\text{Number of fiscal years preceding first year of LTE implementation that member joins LA-RICS}}{15 \text{ (years, lifespan of LTE backbone system)}} \right) = \text{Member's LTE Hard Match Buy In}$$

### Formula for LTE Capacity Charge (One Time Buy-In)

$$\text{Member Agency's Annual LTE O\&M Cost} + \left( \frac{\text{Number of fiscal years preceding first year of LTE implementation that member joins LA-RICS}}{15 \text{ (years, lifespan of LTE backbone system)}} \right) = \text{Member's LTE Capacity Charge}$$

Example: City of Burbank  
 LMR Buy In (Scenario 12)

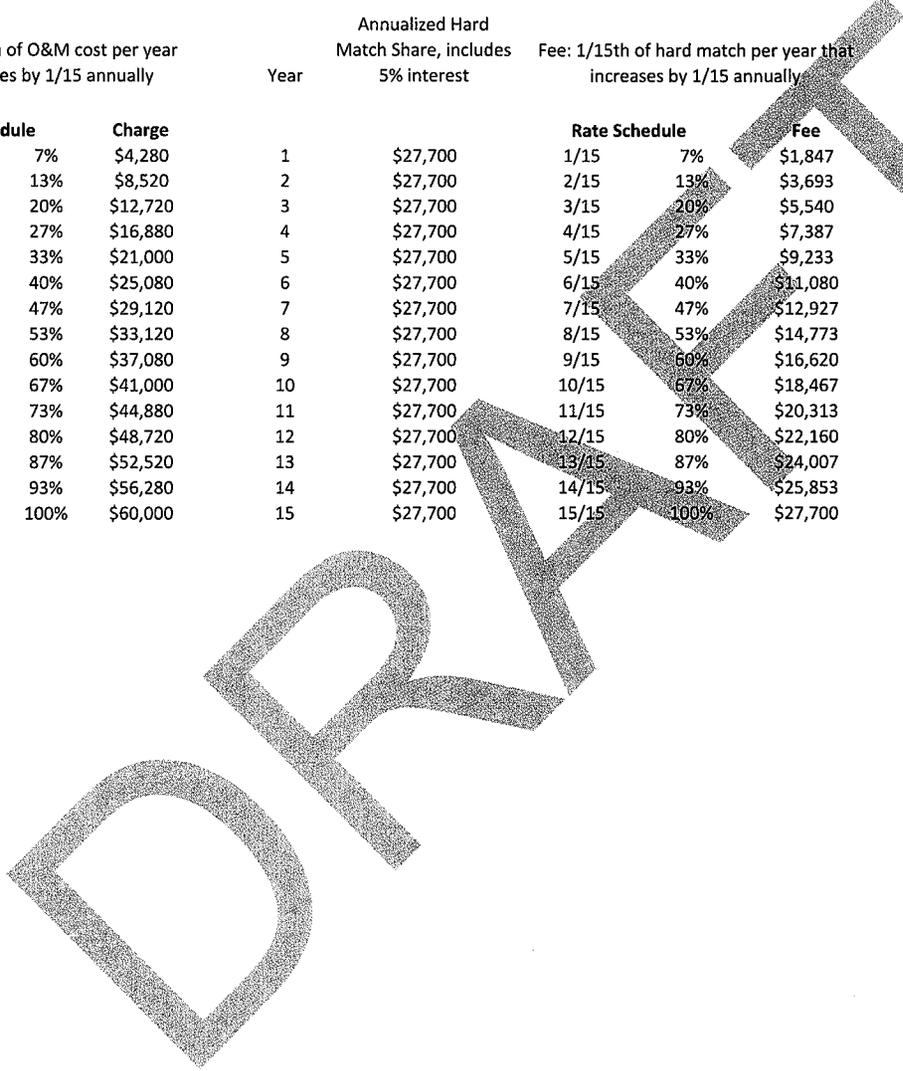
Example: City of Burbank  
 LTE Buy In (Scenario 12)

**LMR Capacity Charge - One time buy in**

Year	O&M Cost Share	Charge: 1/15th of O&M cost per year that increases by 1/15 annually		
		Rate Schedule		Charge
1	\$64,200	1/15	7%	\$4,280
2	\$63,900	2/15	13%	\$8,520
3	\$63,600	3/15	20%	\$12,720
4	\$63,300	4/15	27%	\$16,880
5	\$63,000	5/15	33%	\$21,000
6	\$62,700	6/15	40%	\$25,080
7	\$62,400	7/15	47%	\$29,120
8	\$62,100	8/15	53%	\$33,120
9	\$61,800	9/15	60%	\$37,080
10	\$61,500	10/15	67%	\$41,000
11	\$61,200	11/15	73%	\$44,880
12	\$60,900	12/15	80%	\$48,720
13	\$60,600	13/15	87%	\$52,520
14	\$60,300	14/15	93%	\$56,280
15	\$60,000	15/15	100%	\$60,000

**LTE Buy in Fee and Capacity Charge- One time buy in**

Year	Annualized Hard Match Share, includes 5% interest	Fee: 1/15th of hard match per year that increases by 1/15 annually		O&M Cost Share	Charge: 1/15th of O&M cost per year that increases by 1/15 annually		
		Rate Schedule	Fee		Rate Schedule	Charge	
1	\$27,700	1/15	7%	\$1,847	1/15	7%	\$6,567
2	\$27,700	2/15	13%	\$3,693	2/15	13%	\$13,400
3	\$27,700	3/15	20%	\$5,540	3/15	20%	\$20,500
4	\$27,700	4/15	27%	\$7,387	4/15	27%	\$27,893
5	\$27,700	5/15	33%	\$9,233	5/15	33%	\$35,567
6	\$27,700	6/15	40%	\$11,080	6/15	40%	\$43,520
7	\$27,700	7/15	47%	\$12,927	7/15	47%	\$51,800
8	\$27,700	8/15	53%	\$14,773	8/15	53%	\$60,373
9	\$27,700	9/15	60%	\$16,620	9/15	60%	\$69,300
10	\$27,700	10/15	67%	\$18,467	10/15	67%	\$78,533
11	\$27,700	11/15	73%	\$20,313	11/15	73%	\$88,147
12	\$27,700	12/15	80%	\$22,160	12/15	80%	\$98,080
13	\$27,700	13/15	87%	\$24,007	13/15	87%	\$108,420
14	\$27,700	14/15	93%	\$25,853	14/15	93%	\$119,093
15	\$27,700	15/15	100%	\$27,700	15/15	100%	\$130,200



Example: City of Long Beach  
 LMR Buy In (Scenario 12)

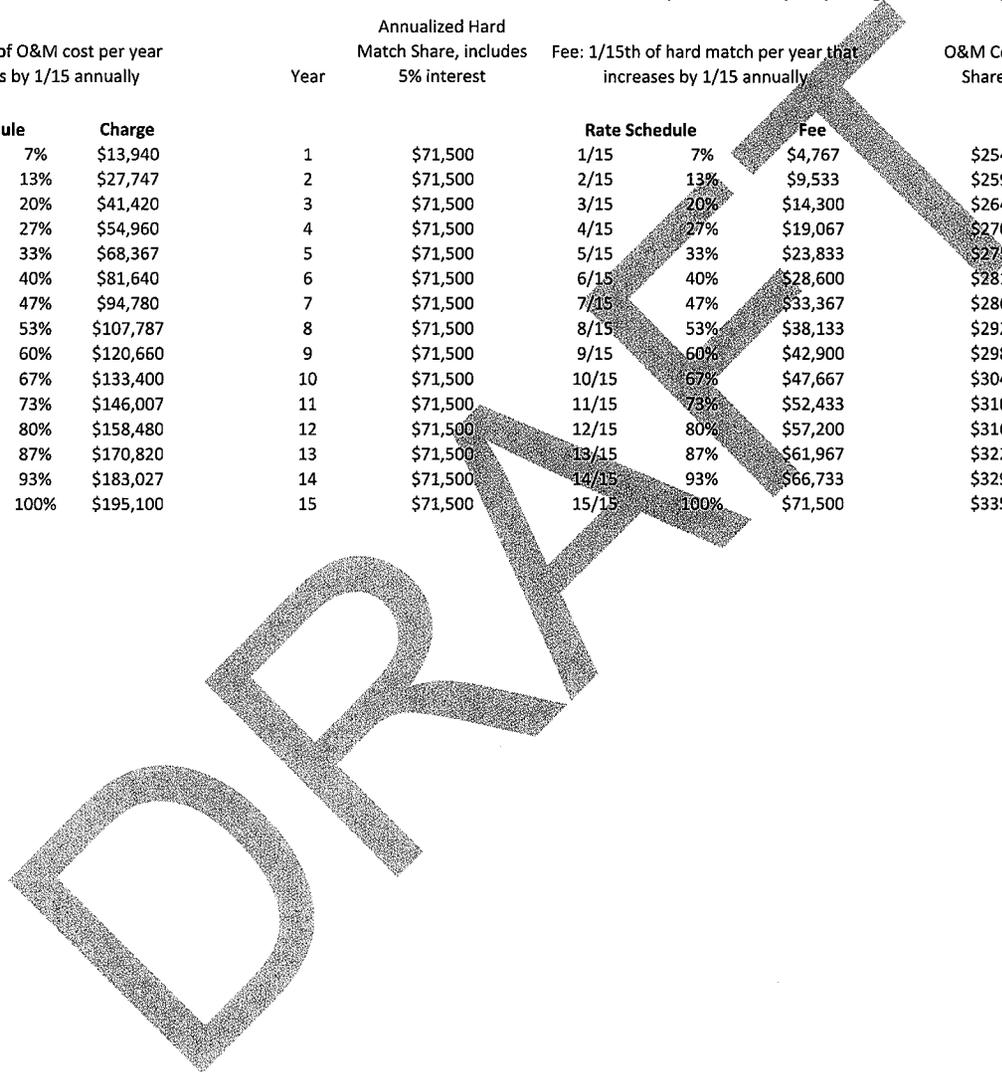
Example: City of Long Beach  
 LTE Buy In (Scenario 12)

**LMR Capacity Charge - One time buy in**

Year	O&M Cost Share	Charge: 1/15th of O&M cost per year that increases by 1/15 annually	
		Rate Schedule	Charge
1	\$209,100	1/15 7%	\$13,940
2	\$208,100	2/15 13%	\$27,747
3	\$207,100	3/15 20%	\$41,420
4	\$206,100	4/15 27%	\$54,960
5	\$205,100	5/15 33%	\$68,367
6	\$204,100	6/15 40%	\$81,640
7	\$203,100	7/15 47%	\$94,780
8	\$202,100	8/15 53%	\$107,787
9	\$201,100	9/15 60%	\$120,660
10	\$200,100	10/15 67%	\$133,400
11	\$199,100	11/15 73%	\$146,007
12	\$198,100	12/15 80%	\$158,480
13	\$197,100	13/15 87%	\$170,820
14	\$196,100	14/15 93%	\$183,027
15	\$195,100	15/15 100%	\$195,100

**LTE Buy in Fee and Capacity Charge- One time buy in**

Year	Annualized Hard Match Share, includes 5% interest	Fee: 1/15th of hard match per year that increases by 1/15 annually		O&M Cost Share	Charge: 1/15th of O&M cost per year that increases by 1/15 annually	
		Rate Schedule	Fee		Rate Schedule	Charge
1	\$71,500	1/15 7%	\$4,767	\$254,600	1/15 7%	\$16,973
2	\$71,500	2/15 13%	\$9,533	\$259,700	2/15 13%	\$34,627
3	\$71,500	3/15 20%	\$14,300	\$264,900	3/15 20%	\$52,980
4	\$71,500	4/15 27%	\$19,067	\$270,200	4/15 27%	\$72,053
5	\$71,500	5/15 33%	\$23,833	\$275,600	5/15 33%	\$91,867
6	\$71,500	6/15 40%	\$28,600	\$281,100	6/15 40%	\$112,440
7	\$71,500	7/15 47%	\$33,367	\$286,700	7/15 47%	\$133,793
8	\$71,500	8/15 53%	\$38,133	\$292,400	8/15 53%	\$155,947
9	\$71,500	9/15 60%	\$42,900	\$298,200	9/15 60%	\$178,920
10	\$71,500	10/15 67%	\$47,667	\$304,200	10/15 67%	\$202,800
11	\$71,500	11/15 73%	\$52,433	\$310,300	11/15 73%	\$227,553
12	\$71,500	12/15 80%	\$57,200	\$316,500	12/15 80%	\$253,200
13	\$71,500	13/15 87%	\$61,967	\$322,800	13/15 87%	\$279,760
14	\$71,500	14/15 93%	\$66,733	\$329,300	14/15 93%	\$307,347
15	\$71,500	15/15 100%	\$71,500	\$335,900	15/15 100%	\$335,900



Example: City of Redondo Beach  
 LMR Buy In (Scenario 12)

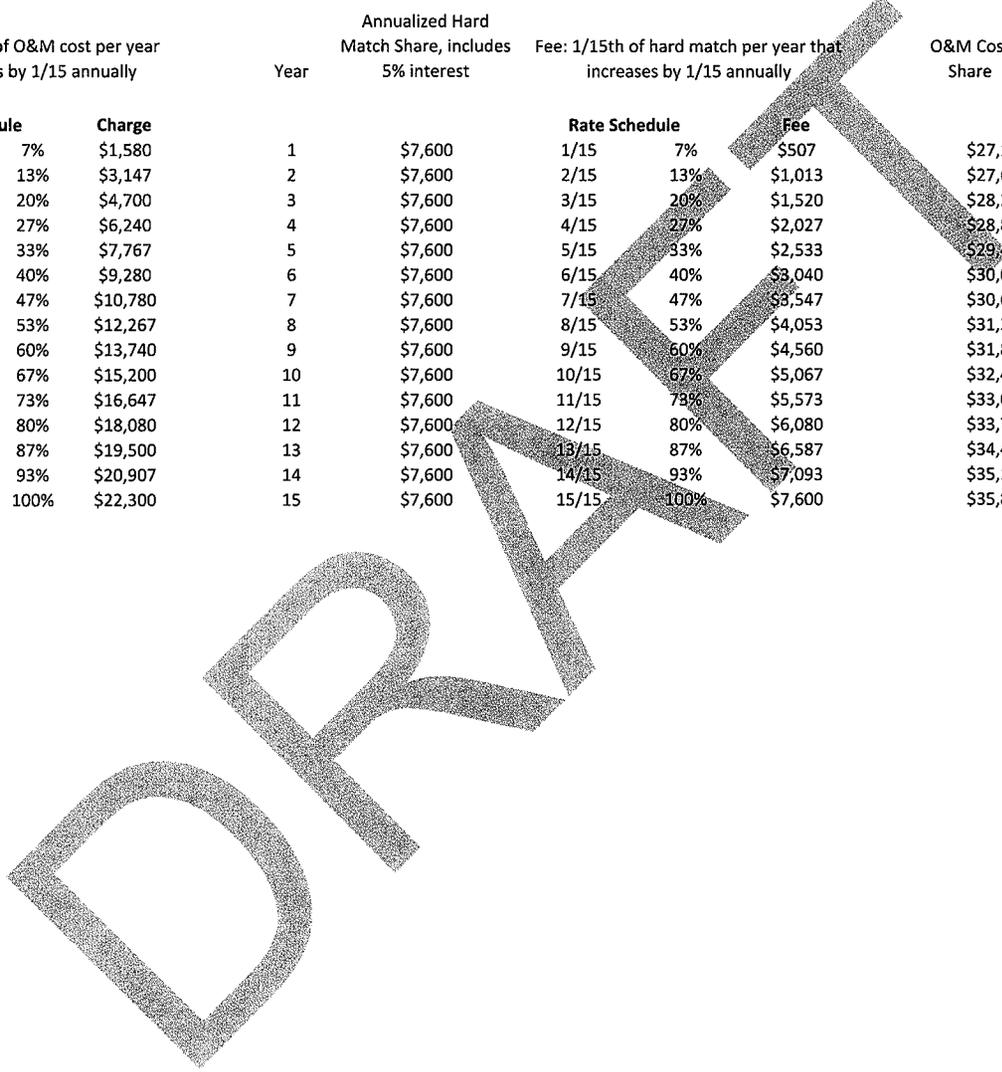
Example: City of Redondo Beach  
 LTE Buy In (Scenario 12)

**LMR Capacity Charge - One time buy in**

Year	O&M Cost Share	Charge: 1/15th of O&M cost per year that increases by 1/15 annually	
		Rate Schedule	Charge
1	\$23,700	1/15 7%	\$1,580
2	\$23,600	2/15 13%	\$3,147
3	\$23,500	3/15 20%	\$4,700
4	\$23,400	4/15 27%	\$6,240
5	\$23,300	5/15 33%	\$7,767
6	\$23,200	6/15 40%	\$9,280
7	\$23,100	7/15 47%	\$10,780
8	\$23,000	8/15 53%	\$12,267
9	\$22,900	9/15 60%	\$13,740
10	\$22,800	10/15 67%	\$15,200
11	\$22,700	11/15 73%	\$16,647
12	\$22,600	12/15 80%	\$18,080
13	\$22,500	13/15 87%	\$19,500
14	\$22,400	14/15 93%	\$20,907
15	\$22,300	15/15 100%	\$22,300

**LTE Buy in Fee and Capacity Charge- One time buy in**

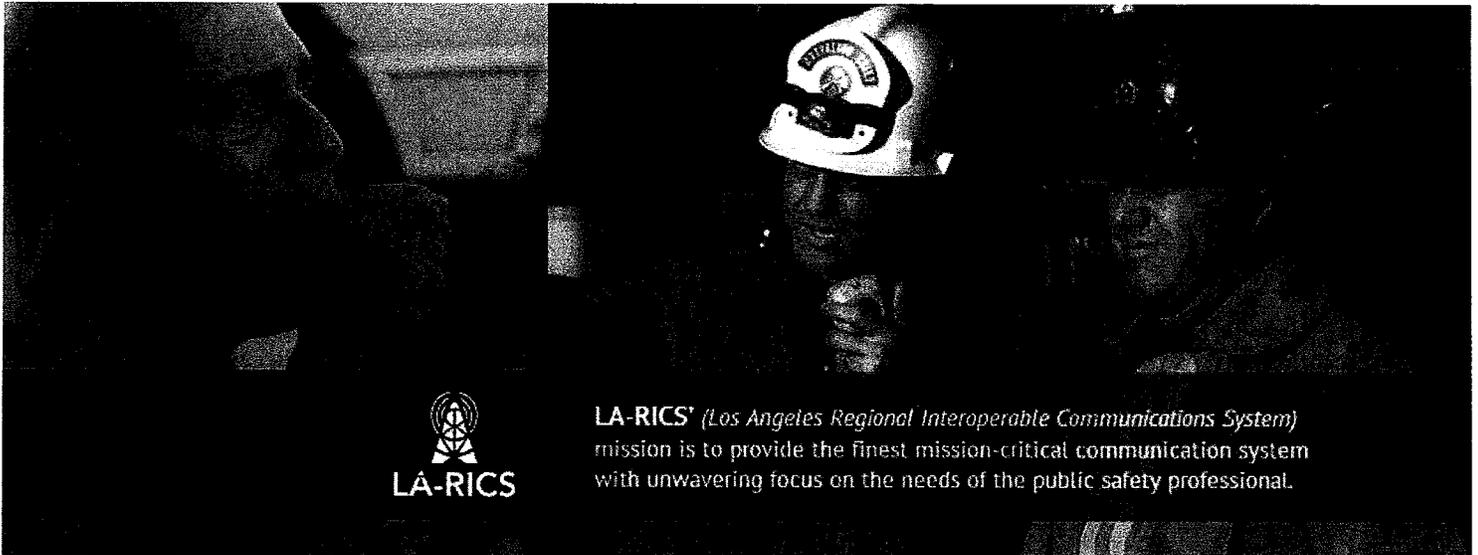
Year	Annualized Hard Match Share, includes 5% interest	Fee: 1/15th of hard match per year that increases by 1/15 annually	O&M Cost Share	Charge: 1/15th of O&M cost per year that increases by 1/15 annually		
		Rate Schedule	Fee	Rate Schedule	Fee	
1	\$7,600	1/15 7%	\$507	\$27,100	1/15 7%	\$1,807
2	\$7,600	2/15 13%	\$1,013	\$27,600	2/15 13%	\$3,680
3	\$7,600	3/15 20%	\$1,520	\$28,200	3/15 20%	\$5,640
4	\$7,600	4/15 27%	\$2,027	\$28,800	4/15 27%	\$7,680
5	\$7,600	5/15 33%	\$2,533	\$29,400	5/15 33%	\$9,800
6	\$7,600	6/15 40%	\$3,040	\$30,000	6/15 40%	\$12,000
7	\$7,600	7/15 47%	\$3,547	\$30,600	7/15 47%	\$14,280
8	\$7,600	8/15 53%	\$4,053	\$31,200	8/15 53%	\$16,640
9	\$7,600	9/15 60%	\$4,560	\$31,800	9/15 60%	\$19,080
10	\$7,600	10/15 67%	\$5,067	\$32,400	10/15 67%	\$21,600
11	\$7,600	11/15 73%	\$5,573	\$33,000	11/15 73%	\$24,200
12	\$7,600	12/15 80%	\$6,080	\$33,700	12/15 80%	\$26,960
13	\$7,600	13/15 87%	\$6,587	\$34,400	13/15 87%	\$29,813
14	\$7,600	14/15 93%	\$7,093	\$35,100	14/15 93%	\$32,760
15	\$7,600	15/15 100%	\$7,600	\$35,800	15/15 100%	\$35,800





# LA-RICS

## DRAFT FEE ESTIMATES



LA-RICS' (*Los Angeles Regional Interoperable Communications System*) mission is to provide the finest mission-critical communication system with unwavering focus on the needs of the public safety professional.

MARCH 2014

PREPARED BY: **PMC**<sup>®</sup>

# LA-RICS Draft Proposed Funding Plan

## Draft Fee Estimates

March 2014

This document contains draft annual fee estimates by member agency for the LA-RICS Land Mobile Radio (LMR) and Long Term Evolution (LTE) systems. The fee estimates are calculated using the cost model described in the Cost Allocation Working Paper. Fee estimates are shown for LA-RICS members with their own independent police and/or fire services. Estimated fees for full contract cities are not calculated, as fees for full contract cities will be determined by each member’s contract terms with Los Angeles County. However, where full contract members report secondary responder information, fee estimates are provided for that portion. Also, if a full contract member did not submit a survey for secondary responder information, a fee was not calculated. Full contract cities are as follows:

- City of Agoura Hills
- City of Artesia
- City of Bellflower
- City of Bradbury
- City of Calabasas
- City of Carson
- City of Cerritos
- City of Commerce
- City of Duarte
- City of Hawaiian Gardens
- City of Hidden Hills
- City of Industry
- City of La Cañada Flintridge
- City of La Mirada
- City of La Puente
- City of Lakewood
- City of Lancaster
- City of Lawndale
- City of Lynwood
- City of Maywood
- City of Norwalk
- City of Palmdale
- City of Paramount
- City of Pico Rivera
- City of Rancho Palos Verdes
- City of Rolling Hills Estates
- City of Rosemead
- City of San Dimas
- City of Santa Clarita
- City of South El Monte
- City of Temple City
- City of Walnut
- City of Westlake Village

A survey was distributed to the member agencies in early February 2014 to collect updated data for the cost model. The need for updated data was in response to suggestions by member agencies attending recent funding plan workshops. Forty-eight (48) member agencies responded to the survey. Of the thirty-eight (38) member agencies that did not provide a response, twenty-one (21) members contract with the County for police, fire, and EMS. The remaining members who did not complete surveys include:

Member	Does the member contract with the County for services?	Member	Does the member contract with the County for services?
City of Azusa	Yes, for fire services	City of Avalon	Yes, for police services
City of Baldwin Park	Yes, for fire services	City of La Habra Heights	Yes, for police services
City of Bell	Yes, for fire services	City of Arcadia	No
City of Glendora	Yes, for fire services	City of El Segundo	No
City of Hawthorne	Yes, for fire services	City of Montebello	No
City of Irwindale	Yes, for fire services	City of Sierra Madre	No
City of Palos Verdes Estates	Yes, for fire services	City of South Pasadena	No
City of San Fernando	Yes, for fire services	City of West Covina	No
Inglewood Unified School District	Yes, via City of Inglewood for fire services		

# LA-RICS Draft Proposed Funding Plan

## Draft Fee Estimates

March 2014

---

In order to provide fee estimates for all members that either do not contract services with the County, or contract for only one service with the county, data for non-responders to the survey under this group was extrapolated using actual data from the submitted surveys. The extrapolation consisted of deriving a multiplier coefficient for each of the data variables. The coefficient is the ratio of the total sum of the data variable (radios, for example) divided by the total population of all survey respondents. This coefficient is then multiplied by the population of each survey non-responder to estimate its respective data variable.

Those members with extrapolated estimates who did not submit a survey are identified in the funding plan with outlined boxes for all input data. Some members that submitted a survey did not include all requested data. For example, a member reported one piece of data (e.g., average radios), but did not report another requested piece (e.g., total radios). Similarly, a member reported the number of high speed data units, but did not report the average daily data usage. To bridge these data gaps, the coefficient method described above is used to complete the data input. For these instances, members are identified in the funding plan with outlined boxes for only those input data not received.

The funding plan comprises fees that are calculated by LA-RICS member for both the LMR and LTE systems. Within each system, the various costs making up the total fee estimate are provided. Within LMR, the fee estimate reflects three costs (operation and maintenance (O&M), capital replacement, and administrative). Within LTE, the fee estimate reflects five costs (annualized grant hard match, annualized grant in-kind match, O&M, capital replacement, and administrative). The following annual cost estimates for LMR and LTE are assumed for calculating annual member fees:

System	Cost Component	Annual Cost	Total
LMR	O&M	\$3,726,600	\$9,824,800
	Capital Replacement	\$4,806,800	
	Administrative	\$1,291,400	
LTE	Hard Match	\$1,875,000	\$14,964,900
	In-Kind Match	\$1,871,900	
	O&M	\$6,473,900	
	Capital Replacement	\$3,452,700	
	Administrative	\$1,291,400	

These costs represent the baseline scenario for the LA-RICS system. Upon request of the Authority, additional scenarios for LTE were generated to provide cost options. A total of 12 LTE scenarios were developed inclusive of the baseline:

# LA-RICS Draft Proposed Funding Plan

## Draft Fee Estimates

March 2014

---

1. Baseline scenario
2. Excluding In-Kind Match
3. Excluding In-Kind Match and Capital Replacement
4. Excluding In-Kind Match and Core Maintenance (PSBN Hardware & Software EPC and NMS)
5. Excluding In-Kind Match and eNodeB Maintenance (PSBN Hardware & Software RAN)
6. Excluding In-Kind Match and Leased Circuit Maintenance
- ~~7. Excluding In-Kind Match and adding Site Lease Payment Cost (Eliminated by Board Action)~~
8. Excluding In-Kind Match and Adding Maintenance for Home Subscriber Server (HSS) Excluding In-Kind Match and adding Redundant Evolved Packet Core Additive Alternate Maintenance
9. Excluding In-Kind Match and Adding Maintenance for Redundant Evolved Packet Core
10. Excluding In-Kind Match and Adding Maintenance for Location Services
11. Excluding In-Kind Match and Adding Maintenance for a second Redundant Evolved Packet Core
12. Excluding In Kind and Capital Replacement, and Adding Maintenance for Home Subscriber Server (HSS) and Redundant Evolved Packet Core

The following table presents a summary of annual fee estimates for each LTE scenario. The table is followed by information about the fee by member for the baseline plus each LTE scenario and the percentage deviation from the baseline.

# LA-RICS Draft Proposed Funding Plan

## Draft Fee Estimates

March 2014



Jurisdiction	LTE Cost Factor	Scenario 1 (Baseline)	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 8	Scenario 9	Scenario 10	Scenario 11	Scenario 12
City of Agoura Hills	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Alhambra	0.69%	\$102,588	\$89,756	\$66,086	\$82,919	\$77,352	\$76,094	\$89,866	\$94,575	\$92,621	\$99,395	\$71,017
City of Arcadia	0.54%	\$80,507	\$70,436	\$51,862	\$65,071	\$60,703	\$59,715	\$70,523	\$74,219	\$72,685	\$78,001	\$55,731
City of Artesia	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Avalon	0.02%	\$2,397	\$2,097	\$1,544	\$1,937	\$1,807	\$1,778	\$2,100	\$2,210	\$2,164	\$2,322	\$1,659
City of Azusa	0.27%	\$39,658	\$34,697	\$25,547	\$32,055	\$29,903	\$29,416	\$34,740	\$36,561	\$35,805	\$38,424	\$27,453
City of Baldwin Park	0.43%	\$64,509	\$56,440	\$41,556	\$52,141	\$48,640	\$47,849	\$56,509	\$59,470	\$58,241	\$62,501	\$44,656
City of Bell	0.20%	\$30,180	\$26,405	\$19,442	\$24,394	\$22,756	\$22,386	\$26,438	\$27,823	\$27,248	\$29,241	\$20,892
City of Bell Gardens	0.17%	\$24,918	\$21,801	\$16,052	\$20,140	\$18,788	\$18,482	\$21,828	\$22,971	\$22,497	\$24,142	\$17,249
City of Bellflower	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Beverly Hills	1.68%	\$251,309	\$219,873	\$161,891	\$203,126	\$189,490	\$186,406	\$220,144	\$231,681	\$226,892	\$243,488	\$173,968
City of Bradbury	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Burbank	1.48%	\$221,015	\$193,369	\$142,376	\$178,641	\$166,648	\$163,936	\$193,607	\$203,753	\$199,542	\$214,137	\$152,998
City of Calabasas	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Carson	0.04%	\$5,512	\$4,823	\$3,551	\$4,455	\$4,156	\$4,088	\$4,828	\$5,081	\$4,976	\$5,340	\$3,816
City of Cerritos	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Claremont	0.40%	\$60,266	\$52,728	\$38,823	\$48,712	\$45,441	\$44,702	\$52,792	\$55,559	\$54,411	\$58,391	\$41,719
City of Commerce	0.32%	\$47,938	\$41,942	\$30,881	\$38,747	\$36,146	\$35,558	\$41,993	\$44,194	\$43,281	\$46,446	\$33,185

# LA-RICS Draft Proposed Funding Plan

## Draft Fee Estimates

March 2014



Jurisdiction	LTE Cost Factor	Scenario 1 (Baseline)	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 8	Scenario 9	Scenario 10	Scenario 11	Scenario 12
City of Compton	0.21%	\$30,774	\$26,924	\$19,824	\$24,874	\$23,204	\$22,826	\$26,958	\$28,370	\$27,784	\$29,816	\$21,303
City of Covina	0.11%	\$16,355	\$14,309	\$10,536	\$13,219	\$12,332	\$12,131	\$14,327	\$15,077	\$14,766	\$15,846	\$11,322
City of Culver City	0.45%	\$66,978	\$58,600	\$43,147	\$54,137	\$50,502	\$49,680	\$58,672	\$61,747	\$60,471	\$64,894	\$46,366
City of Downey	1.04%	\$155,866	\$136,369	\$100,408	\$125,982	\$117,525	\$115,612	\$136,537	\$143,692	\$140,722	\$151,015	\$107,898
City of Duarte	0.12%	\$17,972	\$15,724	\$11,578	\$14,527	\$13,551	\$13,331	\$15,744	\$16,569	\$16,226	\$17,413	\$12,441
City of El Monte	0.28%	\$41,305	\$36,138	\$26,608	\$33,386	\$31,144	\$30,637	\$36,183	\$38,079	\$37,292	\$40,019	\$28,593
City of El Segundo	0.16%	\$23,805	\$20,827	\$15,335	\$19,241	\$17,949	\$17,657	\$20,853	\$21,946	\$21,492	\$23,064	\$16,479
City of Gardena	0.74%	\$110,419	\$96,607	\$71,131	\$89,249	\$83,257	\$81,902	\$96,726	\$101,795	\$99,691	\$106,983	\$76,438
City of Glendale	3.45%	\$515,996	\$451,452	\$332,401	\$417,066	\$389,067	\$382,735	\$452,006	\$475,695	\$465,863	\$499,938	\$357,198
City of Glendora	0.29%	\$42,842	\$37,483	\$27,599	\$34,628	\$32,304	\$31,778	\$37,529	\$39,496	\$38,680	\$41,509	\$29,658
City of Hawaiian Gardens	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Hawthorne	0.48%	\$72,350	\$63,300	\$46,607	\$58,478	\$54,553	\$53,665	\$63,378	\$66,699	\$65,320	\$70,098	\$50,084
City of Hermosa Beach	0.17%	\$26,081	\$22,819	\$16,801	\$21,081	\$19,666	\$19,346	\$22,847	\$24,044	\$23,547	\$25,270	\$18,055
City of Hidden Hills	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Huntington Park	0.38%	\$56,798	\$49,694	\$36,589	\$45,909	\$42,827	\$42,130	\$49,755	\$52,362	\$51,280	\$55,031	\$39,319
City of Industry	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Inglewood	0.11%	\$16,141	\$14,122	\$10,398	\$13,047	\$12,171	\$11,973	\$14,140	\$14,881	\$14,573	\$15,639	\$11,174

# LA-RICS Draft Proposed Funding Plan

## Draft Fee Estimates

March 2014



Jurisdiction	LTE Cost Factor	Scenario 1 (Baseline)	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 8	Scenario 9	Scenario 10	Scenario 11	Scenario 12
City of Irwindale	0.01%	\$1,205	\$1,054	\$776	\$974	\$908	\$893	\$1,055	\$1,111	\$1,088	\$1,167	\$834
City of La Canada Flintridge	0.01%	\$977	\$855	\$629	\$790	\$737	\$725	\$856	\$901	\$882	\$947	\$676
City of La Habra Heights	0.01%	\$1,697	\$1,485	\$1,093	\$1,372	\$1,280	\$1,259	\$1,486	\$1,564	\$1,532	\$1,644	\$1,175
City of La Mirada	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of La Puente	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of La Verne	0.06%	\$9,181	\$8,033	\$5,914	\$7,421	\$6,923	\$6,810	\$8,043	\$8,464	\$8,289	\$8,895	\$6,356
City of Lakewood	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Lancaster	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Lawndale	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Long Beach	3.81%	\$570,904	\$499,492	\$367,772	\$461,447	\$430,468	\$423,462	\$500,105	\$526,314	\$515,436	\$553,137	\$395,208
City of Los Angeles	45.91%	\$6,870,935	\$6,011,471	\$4,426,203	\$5,553,593	\$5,180,758	\$5,096,441	\$6,018,854	\$6,334,285	\$6,203,363	\$6,657,100	\$4,756,401
City of Lynwood	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Manhattan Beach	1.61%	\$241,043	\$210,892	\$155,278	\$194,829	\$181,749	\$178,791	\$211,151	\$222,217	\$217,624	\$233,542	\$166,862
City of Maywood	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Monrovia	0.64%	\$95,560	\$83,606	\$61,559	\$77,238	\$72,053	\$70,880	\$83,709	\$88,096	\$86,275	\$92,586	\$66,151
City of Montebello	0.60%	\$89,492	\$78,298	\$57,650	\$72,334	\$67,478	\$66,380	\$78,394	\$82,502	\$80,797	\$86,707	\$61,951
City of Monterey Park	0.31%	\$46,003	\$40,249	\$29,635	\$37,183	\$34,687	\$34,122	\$40,298	\$42,410	\$41,533	\$44,571	\$31,846

# LA-RICS Draft Proposed Funding Plan

## Draft Fee Estimates

March 2014



Jurisdiction	LTE Cost Factor	Scenario 1 (Baseline)	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 8	Scenario 9	Scenario 10	Scenario 11	Scenario 12
City of Norwalk	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Palmdale	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Palos Verdes Estates	0.08%	\$11,498	\$10,060	\$7,407	\$9,294	\$8,670	\$8,529	\$10,072	\$10,600	\$10,381	\$11,140	\$7,960
City of Paramount	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pasadena	0.58%	\$87,181	\$76,276	\$56,161	\$70,466	\$65,735	\$64,666	\$76,369	\$80,372	\$78,711	\$84,468	\$60,351
City of Pico Rivera	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Pomona	3.12%	\$466,386	\$408,047	\$300,442	\$376,967	\$351,660	\$345,936	\$408,548	\$429,959	\$421,072	\$451,871	\$322,855
City of Ranchos Palos Verdes	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Redondo Beach	0.41%	\$60,772	\$53,170	\$39,149	\$49,121	\$45,823	\$45,077	\$53,236	\$56,026	\$54,868	\$58,881	\$42,070
City of Rolling Hills Estates	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Rosemead	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of San Dimas	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of San Fernando	0.14%	\$20,206	\$17,678	\$13,016	\$16,332	\$15,235	\$14,988	\$17,700	\$18,628	\$18,243	\$19,577	\$13,988
City of San Gabriel	0.79%	\$117,699	\$102,976	\$75,821	\$95,133	\$88,746	\$87,302	\$103,103	\$108,506	\$106,264	\$114,036	\$81,477
City of San Marino	0.24%	\$35,547	\$31,100	\$22,899	\$28,732	\$26,803	\$26,366	\$31,139	\$32,770	\$32,093	\$34,441	\$24,607
City of Santa	0.85%	\$126,889	\$111,017	\$81,741	\$102,561	\$95,676	\$94,119	\$111,153	\$116,979	\$114,561	\$122,940	\$87,839

# LA-RICS Draft Proposed Funding Plan

## Draft Fee Estimates

March 2014



Jurisdiction	LTE Cost Factor	Scenario 1 (Baseline)	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 8	Scenario 9	Scenario 10	Scenario 11	Scenario 12
Clarita												
City of Santa Fe Springs	0.13%	\$19,426	\$16,996	\$12,514	\$15,702	\$14,648	\$14,409	\$17,017	\$17,909	\$17,539	\$18,822	\$13,448
City of Santa Monica	0.54%	\$81,449	\$71,261	\$52,469	\$65,833	\$61,414	\$60,414	\$71,349	\$75,088	\$73,536	\$78,914	\$56,383
City of Sierra Madre	0.10%	\$15,608	\$13,656	\$10,055	\$12,616	\$11,769	\$11,577	\$13,673	\$14,389	\$14,092	\$15,123	\$10,805
City of Signal Hill	0.09%	\$13,020	\$11,391	\$8,387	\$10,524	\$9,817	\$9,657	\$11,405	\$12,003	\$11,755	\$12,615	\$9,013
City of South El Monte	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of South Gate	0.61%	\$91,937	\$80,437	\$59,225	\$74,310	\$69,322	\$68,193	\$80,536	\$84,757	\$83,005	\$89,076	\$63,644
City of South Pasadena	0.24%	\$36,626	\$32,044	\$23,594	\$29,604	\$27,616	\$27,167	\$32,084	\$33,765	\$33,067	\$35,486	\$25,354
City of Temple City	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Torrance	0.56%	\$84,342	\$73,792	\$54,332	\$68,171	\$63,595	\$62,560	\$73,882	\$77,754	\$76,147	\$81,717	\$58,386
City of Vernon	0.23%	\$34,236	\$29,954	\$22,055	\$27,672	\$25,814	\$25,394	\$29,990	\$31,562	\$30,910	\$33,171	\$23,700
City of Walnut	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of West Covina	1.02%	\$151,932	\$132,927	\$97,873	\$122,802	\$114,558	\$112,694	\$133,090	\$140,065	\$137,170	\$147,203	\$105,175
City of Westlake Village	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Whittier	0.32%	\$47,658	\$41,696	\$30,701	\$38,520	\$35,934	\$35,350	\$41,748	\$43,935	\$43,027	\$46,175	\$32,991
County of Los Angeles	21.27%	\$3,183,759	\$2,785,512	\$2,050,953	\$2,573,348	\$2,400,588	\$2,361,518	\$2,788,934	\$2,935,094	\$2,874,429	\$3,084,675	\$2,203,955

# LA-RICS Draft Proposed Funding Plan

## Draft Fee Estimates

March 2014



Jurisdiction	LTE Cost Factor	Scenario 1 (Baseline)	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 8	Scenario 9	Scenario 10	Scenario 11	Scenario 12
Inglewood USD	0.05%	\$7,975	\$6,978	\$5,138	\$6,446	\$6,013	\$5,916	\$6,986	\$7,352	\$7,200	\$7,727	\$5,521
Los Angeles USD	1.35%	\$201,326	\$176,143	\$129,693	\$162,727	\$151,802	\$149,332	\$176,359	\$185,602	\$181,766	\$195,061	\$139,368
UCLA	0.12%	\$18,034	\$15,778	\$11,617	\$14,576	\$13,598	\$13,377	\$15,798	\$16,626	\$16,282	\$17,473	\$12,484
Total	100.00%	\$14,964,984	\$13,077,282	\$9,628,710	\$12,081,221	\$11,270,159	\$11,086,737	\$13,093,344	\$13,779,529	\$13,511,004	\$14,499,248	\$10,359,502

# LA-RICS Draft Proposed Funding Plan

Draft Fee Estimates



## City of Alhambra

### LMR Cost Factor Summary

	City of Alhambra	Percent of Total	Weight	Cost Factor
Total Actual Radios in Inventory	550	0.84%	5%	0.042%
Monthly Average Radios in Daily Use	100	0.30%	35%	0.105%
Annual Dispatch Call Volume	60,000	0.91%	40%	0.363%
Member Residential Population	83,661	0.82%	20%	0.163%
<b>Total LMR Cost Factor:</b>				<b>0.673%</b>

### LMR Annual Fee Summary<sup>1</sup>

LMR O&M Fee	\$25,100
LMR Capital Replacement Fee	\$32,300
LMR Administrative Fee	\$8,700
<b>Total LMR Fee:</b>	<b>\$66,100</b>

### LTE Cost (Baseline Scenario) Factor Summary

	City of Alhambra	Percent of Total	Weight	Cost Factor
High Speed Data Units	80	0.64%	20%	0.128%
Average Daily Data Use (GB)	3.79	0.66%	60%	0.394%
Member Residential Population	83,661	0.82%	20%	0.163%
<b>Total LTE Cost Factor:</b>				<b>0.686%</b>

### LTE Annual Fee Summary<sup>1</sup>

LTE Hard Match	\$12,900
LTE In-Kind Match	\$12,800
LTE O&M Fee	\$44,400
LTE Capital Replacement Fee	\$23,700
LTE Administrative Fee	\$8,900
<b>Total LTE Fee:</b>	<b>\$102,700</b>

**Combined Annual Fee<sup>2</sup>: \$168,800**  
**Percent of Total LA-RICS Cost<sup>2</sup>: 0.68%**

<sup>1</sup> Administrative and O&M fees are ongoing. Capital replacement, hard match, and in-kind match costs are annualized over a 15-year period.

<sup>2</sup> Estimated fees are rounded to the nearest hundred. As such, the "Percent of Total LA-RICS Cost" figure may vary slightly from LMR and LTE cost factors.

For more detailed information on the proposed funding plan, visit:  
<http://www.la-rics.org/documents>

City of Alhambra

**LTE Alternative Scenarios**

**Baseline Scenario**

Hard Match	\$12,900
In-Kind Match	\$12,800
O&M	\$44,400
Capital Replacement	\$23,700
Administrative	\$8,900
<b>Total</b>	<b>\$102,700</b>

**Scenario 6 - Excluding In-Kind Match and Leased Circuit Maintenance**

Hard Match	\$12,900
In-Kind Match	\$0
O&M	\$30,700
Capital Replacement	\$23,700
Administrative	\$8,900
<b>Total</b>	<b>\$76,200</b>
% Change from Baseline	-26%

**Scenario 2 - Excluding In-Kind Match**

Hard Match	\$12,900
In-Kind Match	\$0
O&M	\$44,400
Capital Replacement	\$23,700
Administrative	\$8,900
<b>Total</b>	<b>\$89,900</b>
% Change from Baseline	-12%

**Scenario 7 - Excluding In-Kind Match and Adding Site Lease Payment**

Hard Match	\$12,900
In-Kind Match	\$0
O&M	\$44,400
Capital Replacement	\$23,700
Lease Payments	\$10,600
Administrative	\$8,900
<b>Total</b>	<b>\$100,500</b>
% Change from Baseline	-2%

**Eliminated  
by Board  
Action**

**Scenario 3 - Excluding In-Kind Match and Capital Replacement**

Hard Match	\$12,900
In-Kind Match	\$0
O&M	\$44,400
Capital Replacement	\$0
Administrative	\$8,900
<b>Total</b>	<b>\$66,200</b>
% Change from Baseline	-35%

**Scenario 8 - Excluding In-Kind Match and Adding Maintenance for Home Subscriber Server (HSS)**

Hard Match	\$12,900
In-Kind Match	\$0
O&M	\$44,500
Capital Replacement	\$23,700
Administrative	\$8,900
<b>Total</b>	<b>\$90,000</b>
% Change from Baseline	-12%

**Scenario 4 - Excluding In-Kind Match and Core Maintenance (PSBN Hardware & Software EPC and NMS)**

Hard Match	\$12,900
In-Kind Match	\$0
O&M	\$37,500
Capital Replacement	\$23,700
Administrative	\$8,900
<b>Total</b>	<b>\$83,000</b>
% Change from Baseline	-19%

**Scenario 9 - Excluding In-Kind Match and Adding Maintenance for Redundant Evolved Packet Core**

Hard Match	\$12,900
In-Kind Match	\$0
O&M	\$49,200
Capital Replacement	\$23,700
Administrative	\$8,900
<b>Total</b>	<b>\$94,700</b>
% Change from Baseline	-8%

**Scenario 5 - Excluding In-Kind Match and eNodeB Maintenance (PSBN Hardware & Software RAN)**

Hard Match	\$12,900
In-Kind Match	\$0
O&M	\$32,000
Capital Replacement	\$23,700
Administrative	\$8,900
<b>Total</b>	<b>\$77,500</b>
% Change from Baseline	-24%

**Scenario 10 - Excluding In-Kind Match and Adding Maintenance for Location Services**

Hard Match	\$12,900
In-Kind Match	\$0
O&M	\$47,200
Capital Replacement	\$23,700
Administrative	\$8,900
<b>Total</b>	<b>\$92,700</b>
% Change from Baseline	-10%

For more detailed information on the proposed funding plan, visit:  
<http://www.la-rics.org/documents>

**City of Alhambra**

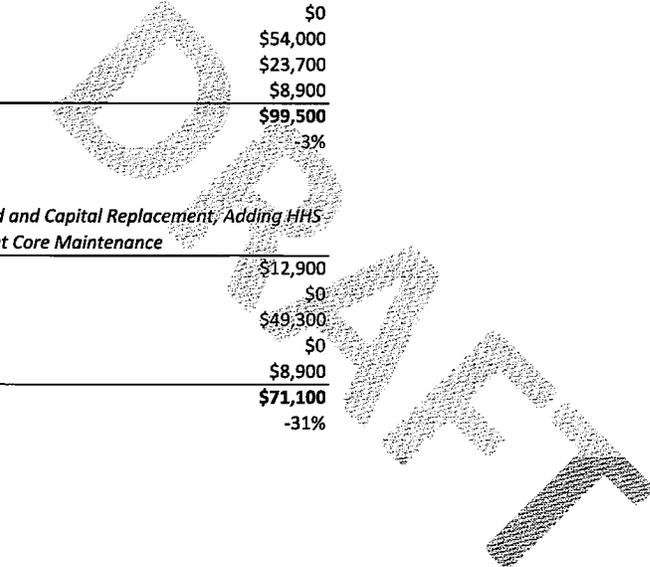
***LTE Alternative Scenarios (continued)***

*Scenario 11 - Excluding In-Kind Match and Adding Maintenance for a second Redundant Evolved Packet Core*

Hard Match	\$12,900
In-Kind Match	\$0
O&M	\$54,000
Capital Replacement	\$23,700
Administrative	\$8,900
<b>Total</b>	<b>\$99,500</b>
% Change from Baseline	-3%

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

Hard Match	\$12,900
In-Kind Match	\$0
O&M	\$49,300
Capital Replacement	\$0
Administrative	\$8,900
<b>Total</b>	<b>\$71,100</b>
% Change from Baseline	-31%



# LA-RICS Draft Proposed Funding Plan

Draft Fee Estimates



## City of Arcadia

### LMR Cost Factor Summary

	City of Arcadia	Percent of Total	Weight	Cost Factor
Total Actual Radios in Inventory	357	0.55%	5%	0.027%
Monthly Average Radios in Daily Use	189	0.57%	35%	0.198%
Annual Dispatch Call Volume	35,228	0.53%	40%	0.213%
Member Residential Population	56,546	0.55%	20%	0.110%
<b>Total LMR Cost Factor:</b>				<b>0.549%</b>

### LMR Annual Fee Summary<sup>1</sup>

LMR O&M Fee	\$20,500
LMR Capital Replacement Fee	\$26,400
LMR Administrative Fee	\$7,100
<b>Total LMR Fee:</b>	<b>\$54,000</b>

### LTE Cost (Baseline Scenario) Factor Summary

	City of Arcadia	Percent of Total	Weight	Cost Factor
High Speed Data Units	63	0.50%	20%	0.101%
Average Daily Data Use (GB)	3.14	0.54%	60%	0.327%
Member Residential Population	56,546	0.55%	20%	0.110%
<b>Total LTE Cost Factor:</b>				<b>0.538%</b>

### LTE Annual Fee Summary<sup>1</sup>

LTE Hard Match	\$10,100
LTE In-Kind Match	\$10,100
LTE O&M Fee	\$34,800
LTE Capital Replacement Fee	\$18,600
LTE Administrative Fee	\$6,900
<b>Total LTE Fee:</b>	<b>\$80,500</b>

**Combined Annual Fee<sup>2</sup>: \$134,500**  
**Percent of Total LA-RICS Cost<sup>2</sup>: 0.54%**

<sup>1</sup> Administrative and O&M fees are ongoing. Capital replacement, hard match, and in-kind match costs are annualized over a 15-year period.

<sup>2</sup> Estimated fees are rounded to the nearest hundred. As such, the "Percent of Total LA-RICS Cost" figure may vary slightly from LMR and LTE cost factors.

For more detailed information on the proposed funding plan, visit:  
<http://www.la-rics.org/documents>

City of Arcadia

**LTE Alternative Scenarios**

*Baseline Scenario*

Hard Match	\$10,100
In-Kind Match	\$10,100
O&M	\$34,800
Capital Replacement	\$18,600
Administrative	\$6,900
<b>Total</b>	<b>\$80,500</b>

*Scenario 6 - Excluding In-Kind Match and Leased Circuit Maintenance*

Hard Match	\$10,100
In-Kind Match	\$0
O&M	\$24,100
Capital Replacement	\$18,600
Administrative	\$6,900
<b>Total</b>	<b>\$59,700</b>
% Change from Baseline	-26%

*Scenario 2 - Excluding In-Kind Match*

Hard Match	\$10,100
In-Kind Match	\$0
O&M	\$34,800
Capital Replacement	\$18,600
Administrative	\$6,900
<b>Total</b>	<b>\$70,400</b>
% Change from Baseline	-13%

*Scenario 7 - Excluding In-Kind Match and Adding Site Lease Payment Cost*

Hard Match	\$10,100
In-Kind Match	\$0
O&M	\$34,800
Capital Replacement	\$18,600
Lease Payments	\$4,500
Administrative	\$6,900
<b>Total</b>	<b>\$74,900</b>
% Change from Baseline	-7%

**Eliminated  
by Board  
Action**

*Scenario 3 - Excluding In-Kind Match and Capital Replacement*

Hard Match	\$10,100
In-Kind Match	\$0
O&M	\$34,800
Capital Replacement	\$0
Administrative	\$6,900
<b>Total</b>	<b>\$51,800</b>
% Change from Baseline	-36%

*Scenario 8 - Excluding In-Kind Match and Adding Maintenance for Home Subscriber Server (HSS)*

Hard Match	\$10,100
In-Kind Match	\$0
O&M	\$34,900
Capital Replacement	\$18,600
Administrative	\$6,900
<b>Total</b>	<b>\$70,500</b>
% Change from Baseline	-12%

*Scenario 4 - Excluding In-Kind Match and Core Maintenance (PSBN Hardware & Software EPC and NMS)*

Hard Match	\$10,100
In-Kind Match	\$0
O&M	\$29,500
Capital Replacement	\$18,600
Administrative	\$6,900
<b>Total</b>	<b>\$65,100</b>
% Change from Baseline	-19%

*Scenario 9 - Excluding In-Kind Match and Adding Maintenance for Redundant Evolved Packet Core*

Hard Match	\$10,100
In-Kind Match	\$0
O&M	\$38,600
Capital Replacement	\$18,600
Administrative	\$6,900
<b>Total</b>	<b>\$74,200</b>
% Change from Baseline	-8%

*Scenario 5 - Excluding In-Kind Match and eNodeB Maintenance (PSBN Hardware & Software RAN)*

Hard Match	\$10,100
In-Kind Match	\$0
O&M	\$25,100
Capital Replacement	\$18,600
Administrative	\$6,900
<b>Total</b>	<b>\$60,700</b>
% Change from Baseline	-25%

*Scenario 10 - Excluding In-Kind Match and Adding Maintenance for Location Services*

Hard Match	\$10,100
In-Kind Match	\$0
O&M	\$37,100
Capital Replacement	\$18,600
Administrative	\$6,900
<b>Total</b>	<b>\$72,700</b>
% Change from Baseline	-10%

For more detailed information on the proposed funding plan, visit:  
<http://www.la-rics.org/documents>

City of Arcadia

**LTE Alternative Scenarios (continued)**

*Scenario 11 - Excluding In-Kind Match and Adding Maintenance for a second Redundant Evolved Packet Core*

Hard Match	\$10,100
In-Kind Match	\$0
O&M	\$42,400
Capital Replacement	\$18,600
Administrative	\$6,900
<b>Total</b>	<b>\$78,000</b>
% Change from Baseline	-3%

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

Hard Match	\$10,100
In-Kind Match	\$0
O&M	\$38,700
Capital Replacement	\$0
Administrative	\$6,900
<b>Total</b>	<b>\$55,700</b>
% Change from Baseline	-31%

# LA-RICS Draft Proposed Funding Plan

## Draft Fee Estimates



### City of Avalon

#### LMR Cost Factor Summary

	City of Avalon	Percent of Total	Weight	Cost Factor
Total Actual Radios in Inventory	9	0.01%	5%	0.001%
Monthly Average Radios in Daily Use	5	0.01%	35%	0.005%
Annual Dispatch Call Volume	811	0.01%	40%	0.005%
Member Residential Population	3,780	0.04%	20%	0.007%
<b>Total LMR Cost Factor:</b>				<b>0.018%</b>

#### LMR Annual Fee Summary<sup>1</sup>

LMR O&M Fee	\$700
LMR Capital Replacement Fee	\$900
LMR Administrative Fee	\$200
<b>Total LMR Fee:</b>	<b>\$1,800</b>

#### LTE Cost (Baseline Scenario) Factor Summary

	City of Avalon	Percent of Total	Weight	Cost Factor
High Speed Data Units	1	0.01%	20%	0.002%
Average Daily Data Use (GB)	0.06	0.01%	60%	0.007%
Member Residential Population	3,780	0.04%	20%	0.007%
<b>Total LTE Cost Factor:</b>				<b>0.016%</b>

#### LTE Annual Fee Summary<sup>1</sup>

LTE Hard Match	\$300
LTE In-Kind Match	\$300
LTE O&M Fee	\$1,000
LTE Capital Replacement Fee	\$600
LTE Administrative Fee	\$200
<b>Total LTE Fee:</b>	<b>\$2,400</b>

**Combined Annual Fee<sup>2</sup>: \$4,200**  
**Percent of Total LA-RICS Cost<sup>2</sup>: 0.02%**

<sup>1</sup> Administrative and O&M fees are ongoing. Capital replacement, hard match, and in-kind match costs are annualized over a 15-year period.

<sup>2</sup> Estimated fees are rounded to the nearest hundred. As such, the "Percent of Total LA-RICS Cost" figure may vary slightly from LMR and LTE cost factors.

For more detailed information on the proposed funding plan, visit:  
<http://www.la-rics.org/documents>

City of Avalon

**LTE Alternative Scenarios**

**Baseline Scenario**

Hard Match	\$300
In-Kind Match	\$300
O&M	\$1,000
Capital Replacement	\$600
Administrative	\$200
<b>Total</b>	<b>\$2,400</b>

**Scenario 6 - Excluding In-Kind Match and Leased Circuit Maintenance**

Hard Match	\$300
In-Kind Match	\$0
O&M	\$700
Capital Replacement	\$600
Administrative	\$200
<b>Total</b>	<b>\$1,800</b>
% Change from Baseline	-25%

**Scenario 2 - Excluding In-Kind Match**

Hard Match	\$300
In-Kind Match	\$0
O&M	\$1,000
Capital Replacement	\$600
Administrative	\$200
<b>Total</b>	<b>\$2,100</b>
% Change from Baseline	-12%

**Scenario 7 - Excluding In-Kind Match and Adding Site Lease Payment Cost**

Hard Match	\$300
In-Kind Match	\$0
O&M	\$1,000
Capital Replacement	\$600
Lease Payments	\$700
Administrative	\$200
<b>Total</b>	<b>\$2,800</b>
% Change from Baseline	17%

**Eliminated  
by Board  
Action**

**Scenario 3 - Excluding In-Kind Match and Capital Replacement**

Hard Match	\$300
In-Kind Match	\$0
O&M	\$1,000
Capital Replacement	\$0
Administrative	\$200
<b>Total</b>	<b>\$1,500</b>
% Change from Baseline	-37%

**Scenario 8 - Excluding In-Kind Match and Adding Maintenance for Home Subscriber Server (HSS)**

Hard Match	\$300
In-Kind Match	\$0
O&M	\$1,000
Capital Replacement	\$600
Administrative	\$200
<b>Total</b>	<b>\$2,100</b>
% Change from Baseline	-12%

**Scenario 4 - Excluding In-Kind Match and Core Maintenance (PSBN Hardware & Software EPC and NMS)**

Hard Match	\$300
In-Kind Match	\$0
O&M	\$900
Capital Replacement	\$600
Administrative	\$200
<b>Total</b>	<b>\$2,000</b>
% Change from Baseline	-17%

**Scenario 9 - Excluding In-Kind Match and Adding Maintenance for Redundant Evolved Packet Core**

Hard Match	\$300
In-Kind Match	\$0
O&M	\$1,100
Capital Replacement	\$600
Administrative	\$200
<b>Total</b>	<b>\$2,200</b>
% Change from Baseline	-8%

**Scenario 5 - Excluding In-Kind Match and eNodeB Maintenance (PSBN Hardware & Software RAN)**

Hard Match	\$300
In-Kind Match	\$0
O&M	\$700
Capital Replacement	\$600
Administrative	\$200
<b>Total</b>	<b>\$1,800</b>
% Change from Baseline	-25%

**Scenario 10 - Excluding In-Kind Match and Adding Maintenance for Location Services**

Hard Match	\$300
In-Kind Match	\$0
O&M	\$1,100
Capital Replacement	\$600
Administrative	\$200
<b>Total</b>	<b>\$2,200</b>
% Change from Baseline	-8%

For more detailed information on the proposed funding plan, visit:  
<http://www.la-rics.org/documents>

City of Avalon

**LTE Alternative Scenarios (continued)**

*Scenario 11 - Excluding In-Kind Match and Adding Maintenance for a second Redundant Evolved Packet Core*

Hard Match	\$300
In-Kind Match	\$0
O&M	\$1,300
Capital Replacement	\$600
Administrative	\$200
<b>Total</b>	<b>\$2,400</b>
% Change from Baseline	0%

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

Hard Match	\$300
In-Kind Match	\$0
O&M	\$1,200
Capital Replacement	\$0
Administrative	\$200
<b>Total</b>	<b>\$1,700</b>
% Change from Baseline	-29%

# LA-RICS Draft Proposed Funding Plan

Draft Fee Estimates



## City of Azusa

### LMR Cost Factor Summary

	City of Azusa	Percent of Total	Weight	Cost Factor
Total Actual Radios in Inventory	145	0.22%	5%	0.011%
Monthly Average Radios in Daily Use	47	0.14%	35%	0.050%
Annual Dispatch Call Volume	20,521	0.31%	40%	0.124%
Member Residential Population	23,309	0.23%	20%	0.045%
<b>Total LMR Cost Factor:</b>				<b>0.230%</b>

### LMR Annual Fee Summary<sup>1</sup>

LMR O&M Fee	\$8,600
LMR Capital Replacement Fee	\$11,100
LMR Administrative Fee	\$3,000
<b>Total LMR Fee:</b>	<b>\$22,700</b>

### LTE Cost (Baseline Scenario) Factor Summary

	City of Azusa	Percent of Total	Weight	Cost Factor
High Speed Data Units	47	0.37%	20%	0.075%
Average Daily Data Use (GB)	1.39	0.24%	60%	0.145%
Member Residential Population	23,309	0.23%	20%	0.045%
<b>Total LTE Cost Factor:</b>				<b>0.265%</b>

### LTE Annual Fee Summary<sup>1</sup>

LTE Hard Match	\$5,000
LTE In-Kind Match	\$5,000
LTE O&M Fee	\$17,200
LTE Capital Replacement Fee	\$9,100
LTE Administrative Fee	\$3,400
<b>Total LTE Fee:</b>	<b>\$39,700</b>

**Combined Annual Fee<sup>2</sup>: \$62,400**  
**Percent of Total LA-RICS Cost<sup>2</sup>: 0.25%**

<sup>1</sup> Administrative and O&M fees are ongoing. Capital replacement, hard match, and in-kind match costs are annualized over a 15-year period.

<sup>2</sup> Estimated fees are rounded to the nearest hundred. As such, the "Percent of Total LA-RICS Cost" figure may vary slightly from LMR and LTE cost factors.

For more detailed information on the proposed funding plan, visit:  
<http://www.la-rics.org/documents>

City of Azusa

**LTE Alternative Scenarios**

**Baseline Scenario**

Hard Match	\$5,000
In-Kind Match	\$5,000
O&M	\$17,200
Capital Replacement	\$9,100
Administrative	\$3,400
<b>Total</b>	<b>\$39,700</b>

**Scenario 6 - Excluding In-Kind Match and Leased Circuit Maintenance**

Hard Match	\$5,000
In-Kind Match	\$0
O&M	\$11,900
Capital Replacement	\$9,100
Administrative	\$3,400
<b>Total</b>	<b>\$29,400</b>
% Change from Baseline	-26%

**Scenario 2 - Excluding In-Kind Match**

Hard Match	\$5,000
In-Kind Match	\$0
O&M	\$17,200
Capital Replacement	\$9,100
Administrative	\$3,400
<b>Total</b>	<b>\$34,700</b>
% Change from Baseline	-13%

**Scenario 7 - Excluding In-Kind Match and Adding Site Lease Payment Cost**

Hard Match	\$5,000
In-Kind Match	\$0
O&M	\$17,200
Capital Replacement	\$9,100
Lease Payments	-\$6,900
Administrative	\$3,400
<b>Total</b>	<b>\$27,800</b>
% Change from Baseline	-30%

**Eliminated  
by Board  
Action**

**Scenario 3 - Excluding In-Kind Match and Capital Replacement**

Hard Match	\$5,000
In-Kind Match	\$0
O&M	\$17,200
Capital Replacement	\$0
Administrative	\$3,400
<b>Total</b>	<b>\$25,600</b>
% Change from Baseline	-35%

**Scenario 8 - Excluding In-Kind Match and Adding Maintenance for Home Subscriber Server (HSS)**

Hard Match	\$5,000
In-Kind Match	\$0
O&M	\$17,200
Capital Replacement	\$9,100
Administrative	\$3,400
<b>Total</b>	<b>\$34,700</b>
% Change from Baseline	-13%

**Scenario 4 - Excluding In-Kind Match and Core Maintenance (PSBN Hardware & Software EPC and NMS)**

Hard Match	\$5,000
In-Kind Match	\$0
O&M	\$14,500
Capital Replacement	\$9,100
Administrative	\$3,400
<b>Total</b>	<b>\$32,000</b>
% Change from Baseline	-19%

**Scenario 9 - Excluding In-Kind Match and Adding Maintenance for Redundant Evolved Packet Core**

Hard Match	\$5,000
In-Kind Match	\$0
O&M	\$19,000
Capital Replacement	\$9,100
Administrative	\$3,400
<b>Total</b>	<b>\$36,500</b>
% Change from Baseline	-8%

**Scenario 5 - Excluding In-Kind Match and eNodeB Maintenance (PSBN Hardware & Software RAN)**

Hard Match	\$5,000
In-Kind Match	\$0
O&M	\$12,400
Capital Replacement	\$9,100
Administrative	\$3,400
<b>Total</b>	<b>\$29,900</b>
% Change from Baseline	-25%

**Scenario 10 - Excluding In-Kind Match and Adding Maintenance for Location Services**

Hard Match	\$5,000
In-Kind Match	\$0
O&M	\$18,300
Capital Replacement	\$9,100
Administrative	\$3,400
<b>Total</b>	<b>\$35,800</b>
% Change from Baseline	-10%

For more detailed information on the proposed funding plan, visit:  
<http://www.la-rics.org/documents>

City of Azusa

**LTE Alternative Scenarios (continued)**

*Scenario 11 - Excluding In-Kind Match and Adding Maintenance for a second Redundant Evolved Packet Core*

Hard Match	\$5,000
In-Kind Match	\$0
O&M	\$20,900
Capital Replacement	\$9,100
Administrative	\$3,400
<b>Total</b>	<b>\$38,400</b>
% Change from Baseline	3%

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

Hard Match	\$5,000
In-Kind Match	\$0
O&M	\$19,100
Capital Replacement	\$0
Administrative	\$3,400
<b>Total</b>	<b>\$27,500</b>
% Change from Baseline	-31%

# LA-RICS Draft Proposed Funding Plan

Draft Fee Estimates



## City of Baldwin Park

### LMR Cost Factor Summary

	City of Baldwin Park	Percent of Total	Weight	Cost Factor
Total Actual Radios in Inventory	236	0.36%	5%	0.018%
Monthly Average Radios in Daily Use	77	0.23%	35%	0.081%
Annual Dispatch Call Volume	33,381	0.50%	40%	0.202%
Member Residential Population	37,915	0.37%	20%	0.074%
<b>Total LMR Cost Factor:</b>				<b>0.374%</b>

### LMR Annual Fee Summary<sup>1</sup>

LMR O&M Fee	\$14,000
LMR Capital Replacement Fee	\$18,000
LMR Administrative Fee	\$4,800
<b>Total LMR Fee:</b>	<b>\$36,800</b>

### LTE Cost (Baseline Scenario) Factor Summary

	City of Baldwin Park	Percent of Total	Weight	Cost Factor
High Speed Data Units	76	0.61%	20%	0.121%
Average Daily Data Use (GB)	2.27	0.39%	60%	0.236%
Member Residential Population	37,915	0.37%	20%	0.074%
<b>Total LTE Cost Factor:</b>				<b>0.431%</b>

### LTE Annual Fee Summary<sup>1</sup>

LTE Hard Match	\$8,100
LTE In-Kind Match	\$8,100
LTE O&M Fee	\$27,900
LTE Capital Replacement Fee	\$14,900
LTE Administrative Fee	\$5,600
<b>Total LTE Fee:</b>	<b>\$64,600</b>

**Combined Annual Fee<sup>2</sup>: \$101,400**  
**Percent of Total LA-RICS Cost<sup>2</sup>: 0.41%**

<sup>1</sup> Administrative and O&M fees are ongoing. Capital replacement, hard match, and in-kind match costs are annualized over a 15-year period.

<sup>2</sup> Estimated fees are rounded to the nearest hundred. As such, the "Percent of Total LA-RICS Cost" figure may vary slightly from LMR and LTE cost factors.

For more detailed information on the proposed funding plan, visit:  
<http://www.la-rics.org/documents>

City of Baldwin Park

**LTE Alternative Scenarios**

**Baseline Scenario**

Hard Match	\$8,100
In-Kind Match	\$8,100
O&M	\$27,900
Capital Replacement	\$14,900
Administrative	\$5,600
<b>Total</b>	<b>\$64,600</b>

**Scenario 6 - Excluding In-Kind Match and Leased Circuit Maintenance**

Hard Match	\$8,100
In-Kind Match	\$0
O&M	\$19,300
Capital Replacement	\$14,900
Administrative	\$5,600
<b>Total</b>	<b>\$47,900</b>
% Change from Baseline	-26%

**Scenario 2 - Excluding In-Kind Match**

Hard Match	\$8,100
In-Kind Match	\$0
O&M	\$27,900
Capital Replacement	\$14,900
Administrative	\$5,600
<b>Total</b>	<b>\$56,500</b>
% Change from Baseline	-12%

**Scenario 7 - Excluding In-Kind Match and Adding Site Lease Payment Cost**

Hard Match	\$8,100
In-Kind Match	\$0
O&M	\$27,900
Capital Replacement	\$14,900
Lease Payments	\$0
Administrative	\$5,600
<b>Total</b>	<b>\$56,500</b>
% Change from Baseline	-12%

**Eliminated  
by Board  
Action**

**Scenario 3 - Excluding In-Kind Match and Capital Replacement**

Hard Match	\$8,100
In-Kind Match	\$0
O&M	\$27,900
Capital Replacement	\$0
Administrative	\$5,600
<b>Total</b>	<b>\$41,600</b>
% Change from Baseline	-36%

**Scenario 8 - Excluding In-Kind Match and Adding Maintenance for Home Subscriber Server (HSS)**

Hard Match	\$8,100
In-Kind Match	\$0
O&M	\$28,000
Capital Replacement	\$14,900
Administrative	\$5,600
<b>Total</b>	<b>\$56,600</b>
% Change from Baseline	-12%

**Scenario 4 - Excluding In-Kind Match and Core Maintenance (PSBN Hardware & Software EPC and NMS)**

Hard Match	\$8,100
In-Kind Match	\$0
O&M	\$23,600
Capital Replacement	\$14,900
Administrative	\$5,600
<b>Total</b>	<b>\$52,200</b>
% Change from Baseline	-19%

**Scenario 9 - Excluding In-Kind Match and Adding Maintenance for Redundant Evolved Packet Core**

Hard Match	\$8,100
In-Kind Match	\$0
O&M	\$30,900
Capital Replacement	\$14,900
Administrative	\$5,600
<b>Total</b>	<b>\$59,500</b>
% Change from Baseline	-8%

**Scenario 5 - Excluding In-Kind Match and eNodeB Maintenance (PSBN Hardware & Software RAN)**

Hard Match	\$8,100
In-Kind Match	\$0
O&M	\$20,100
Capital Replacement	\$14,900
Administrative	\$5,600
<b>Total</b>	<b>\$48,700</b>
% Change from Baseline	-25%

**Scenario 10 - Excluding In-Kind Match and Adding Maintenance for Location Services**

Hard Match	\$8,100
In-Kind Match	\$0
O&M	\$29,700
Capital Replacement	\$14,900
Administrative	\$5,600
<b>Total</b>	<b>\$58,300</b>
% Change from Baseline	-10%

For more detailed information on the proposed funding plan, visit:  
<http://www.la-rics.org/documents>

**City of Baldwin Park**

***LTE Alternative Scenarios (continued)***

*Scenario 11 - Excluding In-Kind Match and Adding Maintenance for a second Redundant Evolved Packet Core*

Hard Match	\$8,100
In-Kind Match	\$0
O&M	\$34,000
Capital Replacement	\$14,900
Administrative	\$5,600
<b>Total</b>	<b>\$62,600</b>
% Change from Baseline	-3%

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

Hard Match	\$8,100
In-Kind Match	\$0
O&M	\$31,000
Capital Replacement	\$0
Administrative	\$5,600
<b>Total</b>	<b>\$44,700</b>
% Change from Baseline	-31%

# LA-RICS Draft Proposed Funding Plan

Draft Fee Estimates



## City of Bell

### LMR Cost Factor Summary

	City of Bell	Percent of Total	Weight	Cost Factor
Total Actual Radios in Inventory	110	0.17%	5%	0.008%
Monthly Average Radios in Daily Use	36	0.11%	35%	0.038%
Annual Dispatch Call Volume	15,617	0.24%	40%	0.094%
Member Residential Population	17,739	0.17%	20%	0.035%
<b>Total LMR Cost Factor:</b>				<b>0.175%</b>

### LMR Annual Fee Summary<sup>1</sup>

LMR O&M Fee	\$6,500
LMR Capital Replacement Fee	\$8,400
LMR Administrative Fee	\$2,300
<b>Total LMR Fee:</b>	<b>\$17,200</b>

### LTE Cost (Baseline Scenario) Factor Summary

	City of Bell	Percent of Total	Weight	Cost Factor
High Speed Data Units	35	0.28%	20%	0.057%
Average Daily Data Use (GB)	1.06	0.18%	60%	0.110%
Member Residential Population	17,739	0.17%	20%	0.035%
<b>Total LTE Cost Factor:</b>				<b>0.202%</b>

### LTE Annual Fee Summary<sup>1</sup>

LTE Hard Match	\$3,800
LTE In-Kind Match	\$3,800
LTE O&M Fee	\$13,100
LTE Capital Replacement Fee	\$7,000
LTE Administrative Fee	\$2,600
<b>Total LTE Fee:</b>	<b>\$30,300</b>

**Combined Annual Fee<sup>2</sup>: \$47,500**  
**Percent of Total LA-RICS Cost<sup>2</sup>: 0.19%**

<sup>1</sup> Administrative and O&M fees are ongoing. Capital replacement, hard match, and in-kind match costs are annualized over a 15-year period.

<sup>2</sup> Estimated fees are rounded to the nearest hundred. As such, the "Percent of Total LA-RICS Cost" figure may vary slightly from LMR and LTE cost factors.

For more detailed information on the proposed funding plan, visit:  
<http://www.la-rics.org/documents>

City of Bell

**LTE Alternative Scenarios**

*Baseline Scenario*

Hard Match	\$3,800
In-Kind Match	\$3,800
O&M	\$13,100
Capital Replacement	\$7,000
Administrative	\$2,600
<b>Total</b>	<b>\$30,300</b>

*Scenario 6 - Excluding In-Kind Match and Leased Circuit Maintenance*

Hard Match	\$3,800
In-Kind Match	\$0
O&M	\$9,000
Capital Replacement	\$7,000
Administrative	\$2,600
<b>Total</b>	<b>\$22,400</b>
% Change from Baseline	-26%

*Scenario 2 - Excluding In-Kind Match*

Hard Match	\$3,800
In-Kind Match	\$0
O&M	\$13,100
Capital Replacement	\$7,000
Administrative	\$2,600
<b>Total</b>	<b>\$26,500</b>
% Change from Baseline	-12%

*Scenario 7 - Excluding In-Kind Match and Adding Site Lease Payment Cost*

Hard Match	\$3,800
In-Kind Match	\$0
O&M	\$13,100
Capital Replacement	\$7,000
Lease Payments	-\$9,600
Administrative	\$2,600
<b>Total</b>	<b>\$16,900</b>
% Change from Baseline	-44%

**Eliminated  
by Board  
Action**

*Scenario 3 - Excluding In-Kind Match and Capital Replacement*

Hard Match	\$3,800
In-Kind Match	\$0
O&M	\$13,100
Capital Replacement	\$0
Administrative	\$2,600
<b>Total</b>	<b>\$19,500</b>
% Change from Baseline	-35%

*Scenario 8 - Excluding In-Kind Match and Adding Maintenance for Home Subscriber Server (HSS)*

Hard Match	\$3,800
In-Kind Match	\$0
O&M	\$13,100
Capital Replacement	\$7,000
Administrative	\$2,600
<b>Total</b>	<b>\$26,500</b>
% Change from Baseline	-12%

*Scenario 4 - Excluding In-Kind Match and Core Maintenance (PSBN Hardware & Software EPC and NMS)*

Hard Match	\$3,800
In-Kind Match	\$0
O&M	\$11,000
Capital Replacement	\$7,000
Administrative	\$2,600
<b>Total</b>	<b>\$24,400</b>
% Change from Baseline	-19%

*Scenario 9 - Excluding In-Kind Match and Adding Maintenance for Redundant Evolved Packet Core*

Hard Match	\$3,800
In-Kind Match	\$0
O&M	\$14,500
Capital Replacement	\$7,000
Administrative	\$2,600
<b>Total</b>	<b>\$27,900</b>
% Change from Baseline	-8%

*Scenario 5 - Excluding In-Kind Match and eNodeB Maintenance (PSBN Hardware & Software RAN)*

Hard Match	\$3,800
In-Kind Match	\$0
O&M	\$9,400
Capital Replacement	\$7,000
Administrative	\$2,600
<b>Total</b>	<b>\$22,800</b>
% Change from Baseline	-24%

*Scenario 10 - Excluding In-Kind Match and Adding Maintenance for Location Services*

Hard Match	\$3,800
In-Kind Match	\$0
O&M	\$13,900
Capital Replacement	\$7,000
Administrative	\$2,600
<b>Total</b>	<b>\$27,300</b>
% Change from Baseline	-10%

For more detailed information on the proposed funding plan, visit:  
<http://www.la-rics.org/documents>

City of Bell

**LTE Alternative Scenarios (continued)**

*Scenario 11 - Excluding In-Kind Match and Adding Maintenance for a second Redundant Evolved Packet Core*

Hard Match	\$3,800
In-Kind Match	\$0
O&M	\$15,900
Capital Replacement	\$7,000
Administrative	\$2,600
<b>Total</b>	<b>\$29,300</b>
% Change from Baseline	-3%

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

Hard Match	\$3,800
In-Kind Match	\$0
O&M	\$14,500
Capital Replacement	\$0
Administrative	\$2,600
<b>Total</b>	<b>\$20,900</b>
% Change from Baseline	-31%

# LA-RICS Draft Proposed Funding Plan

Draft Fee Estimates



## City of Bell Gardens

### LMR Cost Factor Summary

	City of Bell Gardens	Percent of Total	Weight	Cost Factor
Total Actual Radios in Inventory	75	0.11%	5%	0.006%
Monthly Average Radios in Daily Use	66	0.20%	35%	0.069%
Annual Dispatch Call Volume	5,000	0.08%	40%	0.030%
Member Residential Population	21,116	0.21%	20%	0.041%
<b>Total LMR Cost Factor:</b>				<b>0.146%</b>

### LMR Annual Fee Summary<sup>1</sup>

LMR O&M Fee	\$5,500
LMR Capital Replacement Fee	\$7,000
LMR Administrative Fee	\$1,900
<b>Total LMR Fee:</b>	<b>\$14,400</b>

### LTE Cost (Baseline Scenario) Factor Summary

	City of Bell Gardens	Percent of Total	Weight	Cost Factor
High Speed Data Units	75	0.60%	20%	0.120%
Average Daily Data Use (GB)	0.05	0.01%	60%	0.005%
Member Residential Population	21,116	0.21%	20%	0.041%
<b>Total LTE Cost Factor:</b>				<b>0.167%</b>

### LTE Annual Fee Summary<sup>1</sup>

LTE Hard Match	\$3,100
LTE In-Kind Match	\$3,100
LTE O&M Fee	\$10,800
LTE Capital Replacement Fee	\$5,700
LTE Administrative Fee	\$2,200
<b>Total LTE Fee:</b>	<b>\$24,900</b>

**Combined Annual Fee<sup>2</sup>: \$39,300**  
**Percent of Total LA-RICS Cost<sup>2</sup>: 0.16%**

<sup>1</sup> Administrative and O&M fees are ongoing. Capital replacement, hard match, and in-kind match costs are annualized over a 15-year period.

<sup>2</sup> Estimated fees are rounded to the nearest hundred. As such, the "Percent of Total LA-RICS Cost" figure may vary slightly from LMR and LTE cost factors.

For more detailed information on the proposed funding plan, visit:  
<http://www.la-rics.org/documents>

City of Bell Gardens

**LTE Alternative Scenarios**

Baseline Scenario

Hard Match	\$3,100
In-Kind Match	\$3,100
O&M	\$10,800
Capital Replacement	\$5,700
Administrative	\$2,200
<b>Total</b>	<b>\$24,900</b>

Scenario 6 - Excluding In-Kind Match and Leased Circuit Maintenance

Hard Match	\$3,100
In-Kind Match	\$0
O&M	\$7,500
Capital Replacement	\$5,700
Administrative	\$2,200
<b>Total</b>	<b>\$18,500</b>
% Change from Baseline	-26%

Scenario 2 - Excluding In-Kind Match

Hard Match	\$3,100
In-Kind Match	\$0
O&M	\$10,800
Capital Replacement	\$5,700
Administrative	\$2,200
<b>Total</b>	<b>\$21,800</b>
% Change from Baseline	-13%

Scenario 7 - Excluding In-Kind Match and Adding Site Lease Payment Cost

Hard Match	\$3,100
In-Kind Match	\$0
O&M	\$10,800
Capital Replacement	\$5,700
Lease Payments	-\$11,000
Administrative	\$2,200
<b>Total</b>	<b>\$10,800</b>
% Change from Baseline	-57%

**Eliminated  
by Board  
Action**

Scenario 3 - Excluding In-Kind Match and Capital Replacement

Hard Match	\$3,100
In-Kind Match	\$0
O&M	\$10,800
Capital Replacement	\$0
Administrative	\$2,200
<b>Total</b>	<b>\$16,100</b>
% Change from Baseline	-35%

Scenario 8 - Excluding In-Kind Match and Adding Maintenance for Home Subscriber Server (HSS)

Hard Match	\$3,100
In-Kind Match	\$0
O&M	\$10,800
Capital Replacement	\$5,700
Administrative	\$2,200
<b>Total</b>	<b>\$21,800</b>
% Change from Baseline	-13%

Scenario 4 - Excluding In-Kind Match and Core Maintenance (PSBN Hardware & Software EPC and NMS)

Hard Match	\$3,100
In-Kind Match	\$0
O&M	\$9,100
Capital Replacement	\$5,700
Administrative	\$2,200
<b>Total</b>	<b>\$20,100</b>
% Change from Baseline	-19%

Scenario 9 - Excluding In-Kind Match and Adding Maintenance for Redundant Evolved Packet Core

Hard Match	\$3,100
In-Kind Match	\$0
O&M	\$12,000
Capital Replacement	\$5,700
Administrative	\$2,200
<b>Total</b>	<b>\$23,000</b>
% Change from Baseline	-8%

Scenario 5 - Excluding In-Kind Match and eNodeB Maintenance (PSBN Hardware & Software RAN)

Hard Match	\$3,100
In-Kind Match	\$0
O&M	\$7,800
Capital Replacement	\$5,700
Administrative	\$2,200
<b>Total</b>	<b>\$18,800</b>
% Change from Baseline	-25%

Scenario 10 - Excluding In-Kind Match and Adding Maintenance for Location Services

Hard Match	\$3,100
In-Kind Match	\$0
O&M	\$11,500
Capital Replacement	\$5,700
Administrative	\$2,200
<b>Total</b>	<b>\$22,500</b>
% Change from Baseline	-10%

For more detailed information on the proposed funding plan, visit:  
<http://www.la-rics.org/documents>

**City of Bell Gardens**

***LTE Alternative Scenarios (continued)***

*Scenario 11 - Excluding In-Kind Match and Adding Maintenance for a second Redundant Evolved Packet Core*

Hard Match	\$3,100
In-Kind Match	\$0
O&M	\$13,100
Capital Replacement	\$5,700
Administrative	\$2,200
<b>Total</b>	<b>\$24,100</b>
% Change from Baseline	-3%

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

Hard Match	\$3,100
In-Kind Match	\$0
O&M	\$12,000
Capital Replacement	\$0
Administrative	\$2,200
<b>Total</b>	<b>\$17,300</b>
% Change from Baseline	-31%

**City of Beverly Hills**

**LMR Cost Factor Summary**

	<i>City of Beverly Hills</i>	<i>Percent of Total</i>	<i>Weight</i>	<i>Cost Factor</i>
Total Actual Radios in Inventory	906	1.39%	5%	0.069%
Monthly Average Radios in Daily Use	397	1.19%	35%	0.417%
Annual Dispatch Call Volume	35,000	0.53%	40%	0.211%
Member Residential Population	34,291	0.33%	20%	0.067%
<b>Total LMR Cost Factor:</b>				<b>0.765%</b>

**LMR Annual Fee Summary<sup>1</sup>**

LMR O&M Fee	\$28,500
LMR Capital Replacement Fee	\$36,800
LMR Administrative Fee	\$9,900
<b>Total LMR Fee:</b>	<b>\$75,200</b>

**LTE Cost (Baseline Scenario) Factor Summary**

	<i>City of Beverly Hills</i>	<i>Percent of Total</i>	<i>Weight</i>	<i>Cost Factor</i>
High Speed Data Units	906	7.26%	20%	1.451%
Average Daily Data Use (GB)	1.55	0.27%	60%	0.161%
Member Residential Population	34,291	0.33%	20%	0.067%
<b>Total LTE Cost Factor:</b>				<b>1.679%</b>

**LTE Annual Fee Summary<sup>1</sup>**

LTE Hard Match	\$31,500
LTE In-Kind Match	\$31,400
LTE O&M Fee	\$108,700
LTE Capital Replacement Fee	\$58,000
LTE Administrative Fee	\$21,700
<b>Total LTE Fee:</b>	<b>\$251,300</b>

**Combined Annual Fee<sup>2</sup>: \$326,500**  
**Percent of Total LA-RICS Cost<sup>2</sup>: 1.32%**

<sup>1</sup> Administrative and O&M fees are ongoing. Capital replacement, hard match, and in-kind match costs are annualized over a 15-year period.

<sup>2</sup> Estimated fees are rounded to the nearest hundred. As such, the "Percent of Total LA-RICS Cost" figure may vary slightly from LMR and LTE cost factors.

For more detailed information on the proposed funding plan, visit:  
<http://www.la-rics.org/documents>

City of Beverly Hills

**LTE Alternative Scenarios**

**Baseline Scenario**

Hard Match	\$31,500
In-Kind Match	\$31,400
O&M	\$108,700
Capital Replacement	\$58,000
Administrative	\$21,700
<b>Total</b>	<b>\$251,300</b>

**Scenario 6 - Excluding In-Kind Match and Leased Circuit Maintenance**

Hard Match	\$31,500
In-Kind Match	\$0
O&M	\$75,300
Capital Replacement	\$58,000
Administrative	\$21,700
<b>Total</b>	<b>\$186,500</b>
% Change from Baseline	-26%

**Scenario 2 - Excluding In-Kind Match**

Hard Match	\$31,500
In-Kind Match	\$0
O&M	\$108,700
Capital Replacement	\$58,000
Administrative	\$21,700
<b>Total</b>	<b>\$219,900</b>
% Change from Baseline	-12%

**Scenario 7 - Excluding In-Kind Match and Adding Site Lease Payment Cost**

Hard Match	\$31,500
In-Kind Match	\$0
O&M	\$108,700
Capital Replacement	\$58,000
Lease Payments	\$52,100
Administrative	\$21,700
<b>Total</b>	<b>\$272,000</b>
% Change from Baseline	8%

**Eliminated  
by Board  
Action**

**Scenario 3 - Excluding In-Kind Match and Capital Replacement**

Hard Match	\$31,500
In-Kind Match	\$0
O&M	\$108,700
Capital Replacement	\$0
Administrative	\$21,700
<b>Total</b>	<b>\$161,900</b>
% Change from Baseline	-36%

**Scenario 8 - Excluding In-Kind Match and Adding Maintenance for Home Subscriber Server (HSS)**

Hard Match	\$31,500
In-Kind Match	\$0
O&M	\$109,000
Capital Replacement	\$58,000
Administrative	\$21,700
<b>Total</b>	<b>\$220,200</b>
% Change from Baseline	-12%

**Scenario 4 - Excluding In-Kind Match and Core Maintenance (PSBN Hardware & Software EPC and NMS)**

Hard Match	\$31,500
In-Kind Match	\$0
O&M	\$92,000
Capital Replacement	\$58,000
Administrative	\$21,700
<b>Total</b>	<b>\$203,200</b>
% Change from Baseline	-19%

**Scenario 9 - Excluding In-Kind Match and Adding Maintenance for Redundant Evolved Packet Core**

Hard Match	\$31,500
In-Kind Match	\$0
O&M	\$120,500
Capital Replacement	\$58,000
Administrative	\$21,700
<b>Total</b>	<b>\$231,700</b>
% Change from Baseline	-8%

**Scenario 5 - Excluding In-Kind Match and eNodeB Maintenance (PSBN Hardware & Software RAN)**

Hard Match	\$31,500
In-Kind Match	\$0
O&M	\$78,300
Capital Replacement	\$58,000
Administrative	\$21,700
<b>Total</b>	<b>\$189,500</b>
% Change from Baseline	-25%

**Scenario 10 - Excluding In-Kind Match and Adding Maintenance for Location Services**

Hard Match	\$31,500
In-Kind Match	\$0
O&M	\$115,700
Capital Replacement	\$58,000
Administrative	\$21,700
<b>Total</b>	<b>\$226,900</b>
% Change from Baseline	-10%

For more detailed information on the proposed funding plan, visit:  
<http://www.la-rics.org/documents>

**City of Beverly Hills**

***LTE Alternative Scenarios (continued)***

*Scenario 11 - Excluding In-Kind Match and Adding Maintenance for a second Redundant Evolved Packet Core*

Hard Match	\$31,500
In-Kind Match	\$0
O&M	\$132,300
Capital Replacement	\$58,000
Administrative	\$21,700
<b>Total</b>	<b>\$243,500</b>
% Change from Baseline	-3%

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

Hard Match	\$31,500
In-Kind Match	\$0
O&M	\$120,800
Capital Replacement	\$0
Administrative	\$21,700
<b>Total</b>	<b>\$174,000</b>
% Change from Baseline	-31%

# LA-RICS Draft Proposed Funding Plan

Draft Fee Estimates



## City of Burbank

### LMR Cost Factor Summary

	City of Burbank	Percent of Total	Weight	Cost Factor
Total Actual Radios in Inventory	1,450	2.22%	5%	0.111%
Monthly Average Radios in Daily Use	968	2.90%	35%	1.016%
Annual Dispatch Call Volume	65,058	0.98%	40%	0.393%
Member Residential Population	104,427	1.02%	20%	0.204%
<b>Total LMR Cost Factor:</b>				<b>1.724%</b>

### LMR Annual Fee Summary<sup>1</sup>

LMR O&M Fee	\$64,300
LMR Capital Replacement Fee	\$82,900
LMR Administrative Fee	\$22,300
<b>Total LMR Fee:</b>	<b>\$169,500</b>

### LTE Cost (Baseline Scenario) Factor Summary

	City of Burbank	Percent of Total	Weight	Cost Factor
High Speed Data Units	600	4.81%	20%	0.961%
Average Daily Data Use (GB)	3.00	0.52%	60%	0.312%
Member Residential Population	104,427	1.02%	20%	0.204%
<b>Total LTE Cost Factor:</b>				<b>1.477%</b>

### LTE Annual Fee Summary<sup>1</sup>

LTE Hard Match	\$27,700
LTE In-Kind Match	\$27,600
LTE O&M Fee	\$95,600
LTE Capital Replacement Fee	\$51,000
LTE Administrative Fee	\$19,100
<b>Total LTE Fee:</b>	<b>\$221,000</b>

**Combined Annual Fee<sup>2</sup>: \$390,500**  
**Percent of Total LA-RICS Cost<sup>2</sup>: 1.58%**

<sup>1</sup> Administrative and O&M fees are ongoing. Capital replacement, hard match, and in-kind match costs are annualized over a 15-year period.

<sup>2</sup> Estimated fees are rounded to the nearest hundred. As such, the "Percent of Total LA-RICS Cost" figure may vary slightly from LMR and LTE cost factors.

For more detailed information on the proposed funding plan, visit:  
<http://www.la-rics.org/documents>

City of Burbank

**LTE Alternative Scenarios**

*Baseline Scenario*

Hard Match	\$27,700
In-Kind Match	\$27,600
O&M	\$95,600
Capital Replacement	\$51,000
Administrative	\$19,100
<b>Total</b>	<b>\$221,000</b>

*Scenario 6 - Excluding In-Kind Match and Leased Circuit Maintenance*

Hard Match	\$27,700
In-Kind Match	\$0
O&M	\$66,200
Capital Replacement	\$51,000
Administrative	\$19,100
<b>Total</b>	<b>\$164,000</b>
% Change from Baseline	-26%

*Scenario 2 - Excluding In-Kind Match*

Hard Match	\$27,700
In-Kind Match	\$0
O&M	\$95,600
Capital Replacement	\$51,000
Administrative	\$19,100
<b>Total</b>	<b>\$193,400</b>
% Change from Baseline	-12%

*Scenario 7 - Excluding In-Kind Match and Adding Site Lease Payment Cost*

Hard Match	\$27,700
In-Kind Match	\$0
O&M	\$95,600
Capital Replacement	\$51,000
Lease Payments	\$43,700
Administrative	\$19,100
<b>Total</b>	<b>\$237,100</b>
% Change from Baseline	7%

**Eliminated  
by Board  
Action**

*Scenario 3 - Excluding In-Kind Match and Capital Replacement*

Hard Match	\$27,700
In-Kind Match	\$0
O&M	\$95,600
Capital Replacement	\$0
Administrative	\$19,100
<b>Total</b>	<b>\$142,400</b>
% Change from Baseline	-36%

*Scenario 8 - Excluding In-Kind Match and Adding Maintenance for Home Subscriber Server (HSS)*

Hard Match	\$27,700
In-Kind Match	\$0
O&M	\$95,900
Capital Replacement	\$51,000
Administrative	\$19,100
<b>Total</b>	<b>\$193,700</b>
% Change from Baseline	-12%

*Scenario 4 - Excluding In-Kind Match and Core Maintenance (PSBN Hardware & Software EPC and NMS)*

Hard Match	\$27,700
In-Kind Match	\$0
O&M	\$80,900
Capital Replacement	\$51,000
Administrative	\$19,100
<b>Total</b>	<b>\$178,700</b>
% Change from Baseline	-19%

*Scenario 9 - Excluding In-Kind Match and Adding Maintenance for Redundant Evolved Packet Core*

Hard Match	\$27,700
In-Kind Match	\$0
O&M	\$106,000
Capital Replacement	\$51,000
Administrative	\$19,100
<b>Total</b>	<b>\$203,800</b>
% Change from Baseline	-8%

*Scenario 5 - Excluding In-Kind Match and eNodeB Maintenance (PSBN Hardware & Software RAN)*

Hard Match	\$27,700
In-Kind Match	\$0
O&M	\$68,900
Capital Replacement	\$51,000
Administrative	\$19,100
<b>Total</b>	<b>\$166,700</b>
% Change from Baseline	-25%

*Scenario 10 - Excluding In-Kind Match and Adding Maintenance for Location Services*

Hard Match	\$27,700
In-Kind Match	\$0
O&M	\$101,800
Capital Replacement	\$51,000
Administrative	\$19,100
<b>Total</b>	<b>\$199,600</b>
% Change from Baseline	-10%

For more detailed information on the proposed funding plan, visit:  
<http://www.la-rics.org/documents>

City of Burbank

**LTE Alternative Scenarios (continued)**

*Scenario 11 - Excluding In-Kind Match and Adding Maintenance for a second Redundant Evolved Packet Core*

Hard Match	\$27,700
In-Kind Match	\$0
O&M	\$116,400
Capital Replacement	\$51,000
Administrative	\$19,100
<b>Total</b>	<b>\$214,200</b>
% Change from Baseline	-3%

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

Hard Match	\$27,700
In-Kind Match	\$0
O&M	\$106,200
Capital Replacement	\$0
Administrative	\$19,100
<b>Total</b>	<b>\$153,000</b>
% Change from Baseline	-31%

# LA-RICS Draft Proposed Funding Plan

## Draft Fee Estimates



### City of Carson

#### LMR Cost Factor Summary

	City of Carson	Percent of Total	Weight	Cost Factor
Total Actual Radios in Inventory	202	0.31%	5%	0.015%
Monthly Average Radios in Daily Use	20	0.06%	35%	0.021%
Annual Dispatch Call Volume	0	0.00%	40%	0.000%
Member Residential Population	0	0.00%	20%	0.000%
<b>Total LMR Cost Factor:</b>				<b>0.036%</b>

#### LMR Annual Fee Summary<sup>1</sup>

LMR O&M Fee	\$1,400
LMR Capital Replacement Fee	\$1,800
LMR Administrative Fee	\$500
<b>Total LMR Fee:</b>	<b>\$3,700</b>

#### LTE Cost (Baseline Scenario) Factor Summary

	City of Carson	Percent of Total	Weight	Cost Factor
High Speed Data Units	10	0.08%	20%	0.016%
Average Daily Data Use (GB)	0.20	0.03%	60%	0.021%
Member Residential Population	0	0.00%	20%	0.000%
<b>Total LTE Cost Factor:</b>				<b>0.037%</b>

#### LTE Annual Fee Summary<sup>1</sup>

LTE Hard Match	\$700
LTE In-Kind Match	\$700
LTE O&M Fee	\$2,400
LTE Capital Replacement Fee	\$1,300
LTE Administrative Fee	\$500
<b>Total LTE Fee:</b>	<b>\$5,600</b>

**Combined Annual Fee<sup>2</sup>: \$9,300**  
**Percent of Total LA-RICS Cost<sup>2</sup>: 0.04%**

<sup>1</sup> Administrative and O&M fees are ongoing. Capital replacement, hard match, and in-kind match costs are annualized over a 15-year period.

<sup>2</sup> Estimated fees are rounded to the nearest hundred. As such, the "Percent of Total LA-RICS Cost" figure may vary slightly from LMR and LTE cost factors.

For more detailed information on the proposed funding plan, visit:  
<http://www.la-rics.org/documents>

City of Carson

**LTE Alternative Scenarios**

**Baseline Scenario**

Hard Match	\$700
In-Kind Match	\$700
O&M	\$2,400
Capital Replacement	\$1,300
Administrative	\$500
<b>Total</b>	<b>\$5,600</b>

**Scenario 6 - Excluding In-Kind Match and Leased Circuit Maintenance**

Hard Match	\$700
In-Kind Match	\$0
O&M	\$1,700
Capital Replacement	\$1,300
Administrative	\$500
<b>Total</b>	<b>\$4,200</b>
% Change from Baseline	-24%

**Scenario 2 - Excluding In-Kind Match**

Hard Match	\$700
In-Kind Match	\$0
O&M	\$2,400
Capital Replacement	\$1,300
Administrative	\$500
<b>Total</b>	<b>\$4,900</b>
% Change from Baseline	-11%

**Scenario 7 - Excluding In-Kind Match and Adding Site Lease Payment Cost**

Hard Match	\$700
In-Kind Match	\$0
O&M	\$2,400
Capital Replacement	\$1,300
Lease Payments	\$1,500
Administrative	\$500
<b>Total</b>	<b>\$6,400</b>
% Change from Baseline	16%

**Eliminated  
by Board  
Action**

**Scenario 3 - Excluding In-Kind Match and Capital Replacement**

Hard Match	\$700
In-Kind Match	\$0
O&M	\$2,400
Capital Replacement	\$0
Administrative	\$500
<b>Total</b>	<b>\$3,600</b>
% Change from Baseline	-35%

**Scenario 8 - Excluding In-Kind Match and Adding Maintenance for Home Subscriber Server (HSS)**

Hard Match	\$700
In-Kind Match	\$0
O&M	\$2,400
Capital Replacement	\$1,300
Administrative	\$500
<b>Total</b>	<b>\$4,900</b>
% Change from Baseline	-11%

**Scenario 4 - Excluding In-Kind Match and Core Maintenance (PSBN Hardware & Software EPC and NMS)**

Hard Match	\$700
In-Kind Match	\$0
O&M	\$2,000
Capital Replacement	\$1,300
Administrative	\$500
<b>Total</b>	<b>\$4,500</b>
% Change from Baseline	-18%

**Scenario 9 - Excluding In-Kind Match and Adding Maintenance for Redundant Evolved Packet Core**

Hard Match	\$700
In-Kind Match	\$0
O&M	\$2,600
Capital Replacement	\$1,300
Administrative	\$500
<b>Total</b>	<b>\$5,100</b>
% Change from Baseline	-7%

**Scenario 5 - Excluding In-Kind Match and eNodeB Maintenance (PSBN Hardware & Software RAN)**

Hard Match	\$700
In-Kind Match	\$0
O&M	\$1,700
Capital Replacement	\$1,300
Administrative	\$500
<b>Total</b>	<b>\$4,200</b>
% Change from Baseline	-24%

**Scenario 10 - Excluding In-Kind Match and Adding Maintenance for Location Services**

Hard Match	\$700
In-Kind Match	\$0
O&M	\$2,500
Capital Replacement	\$1,300
Administrative	\$500
<b>Total</b>	<b>\$5,000</b>
% Change from Baseline	-9%

For more detailed information on the proposed funding plan, visit:  
<http://www.la-rics.org/documents>

City of Carson

**LTE Alternative Scenarios (continued)**

*Scenario 11 - Excluding In-Kind Match and Adding Maintenance for a second Redundant Evolved Packet Core*

Hard Match	\$700
In-Kind Match	\$0
O&M	\$2,900
Capital Replacement	\$1,300
Administrative	\$500
<b>Total</b>	<b>\$5,400</b>
% Change from Baseline	-2%

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

Hard Match	\$700
In-Kind Match	\$0
O&M	\$2,600
Capital Replacement	\$0
Administrative	\$500
<b>Total</b>	<b>\$3,800</b>
% Change from Baseline	-31%

**City of Claremont**

**LMR Cost Factor Summary**

	<i>City of Claremont</i>	<i>Percent of Total</i>	<i>Weight</i>	<i>Cost Factor</i>
Total Actual Radios in Inventory	350	0.54%	5%	0.027%
Monthly Average Radios in Daily Use	70	0.21%	35%	0.073%
Annual Dispatch Call Volume	22,000	0.33%	40%	0.133%
Member Residential Population	17,650	0.17%	20%	0.034%
<b>Total LMR Cost Factor:</b>				<b>0.268%</b>

**LMR Annual Fee Summary<sup>1</sup>**

LMR O&M Fee	\$10,000
LMR Capital Replacement Fee	\$12,900
LMR Administrative Fee	\$3,500
<b>Total LMR Fee:</b>	<b>\$26,400</b>

**LTE Cost (Baseline Scenario) Factor Summary**

	<i>City of Claremont</i>	<i>Percent of Total</i>	<i>Weight</i>	<i>Cost Factor</i>
High Speed Data Units	35	0.28%	20%	0.056%
Average Daily Data Use (GB)	3.00	0.52%	60%	0.312%
Member Residential Population	17,650	0.17%	20%	0.034%
<b>Total LTE Cost Factor:</b>				<b>0.403%</b>

**LTE Annual Fee Summary<sup>1</sup>**

LTE Hard Match	\$7,600
LTE In-Kind Match	\$7,500
LTE O&M Fee	\$26,100
LTE Capital Replacement Fee	\$13,900
LTE Administrative Fee	\$5,200
<b>Total LTE Fee:</b>	<b>\$60,300</b>

**Combined Annual Fee<sup>2</sup>: \$86,700**  
**Percent of Total LA-RICS Cost<sup>2</sup>: 0.35%**

<sup>1</sup> Administrative and O&M fees are ongoing. Capital replacement, hard match, and in-kind match costs are annualized over a 15-year period.

<sup>2</sup> Estimated fees are rounded to the nearest hundred. As such, the "Percent of Total LA-RICS Cost" figure may vary slightly from LMR and LTE cost factors.

For more detailed information on the proposed funding plan, visit:  
<http://www.la-rics.org/documents>

# LA-RICS Draft Proposed Funding Plan

Draft Fee Estimates



## City of Claremont

### LTE Alternative Scenarios

#### Baseline Scenario

Hard Match	\$7,600
In-Kind Match	\$7,500
O&M	\$26,100
Capital Replacement	\$13,900
Administrative	\$5,200
<b>Total</b>	<b>\$60,300</b>

#### Scenario 2 - Excluding In-Kind Match

Hard Match	\$7,600
In-Kind Match	\$0
O&M	\$26,100
Capital Replacement	\$13,900
Administrative	\$5,200
<b>Total</b>	<b>\$52,800</b>
% Change from Baseline	-12%

#### Scenario 3 - Excluding In-Kind Match and Capital Replacement

Hard Match	\$7,600
In-Kind Match	\$0
O&M	\$26,100
Capital Replacement	\$0
Administrative	\$5,200
<b>Total</b>	<b>\$38,900</b>
% Change from Baseline	-35%

#### Scenario 4 - Excluding In-Kind Match and Core Maintenance (PSBN Hardware & Software EPC and NMS)

Hard Match	\$7,600
In-Kind Match	\$0
O&M	\$22,100
Capital Replacement	\$13,900
Administrative	\$5,200
<b>Total</b>	<b>\$48,800</b>
% Change from Baseline	-19%

#### Scenario 5 - Excluding In-Kind Match and eNodeB Maintenance (PSBN Hardware & Software RAN)

Hard Match	\$7,600
In-Kind Match	\$0
O&M	\$18,800
Capital Replacement	\$13,900
Administrative	\$5,200
<b>Total</b>	<b>\$45,500</b>
% Change from Baseline	-25%

#### Scenario 6 - Excluding In-Kind Match and Leased Circuit Maintenance

Hard Match	\$7,600
In-Kind Match	\$0
O&M	\$18,000
Capital Replacement	\$13,900
Administrative	\$5,200
<b>Total</b>	<b>\$44,700</b>
% Change from Baseline	-26%

#### Scenario 7 - Excluding In-Kind Match and Adding Site Lease Payment Cost

Hard Match	\$7,600
In-Kind Match	\$0
O&M	\$26,100
Capital Replacement	\$13,900
Lease Payments	-\$19,200
Administrative	\$5,200
<b>Total</b>	<b>\$33,600</b>
% Change from Baseline	-44%

#### Scenario 8 - Excluding In-Kind Match and Adding Maintenance for Home Subscriber Server (HSS)

Hard Match	\$7,600
In-Kind Match	\$0
O&M	\$26,100
Capital Replacement	\$13,900
Administrative	\$5,200
<b>Total</b>	<b>\$52,800</b>
% Change from Baseline	-12%

#### Scenario 9 - Excluding In-Kind Match and Adding Maintenance for Redundant Evolved Packet Core

Hard Match	\$7,600
In-Kind Match	\$0
O&M	\$28,900
Capital Replacement	\$13,900
Administrative	\$5,200
<b>Total</b>	<b>\$55,600</b>
% Change from Baseline	-8%

#### Scenario 10 - Excluding In-Kind Match and Adding Maintenance for Location Services

Hard Match	\$7,600
In-Kind Match	\$0
O&M	\$27,800
Capital Replacement	\$13,900
Administrative	\$5,200
<b>Total</b>	<b>\$54,500</b>
% Change from Baseline	-10%

**Eliminated  
by Board  
Action**

For more detailed information on the proposed funding plan, visit:  
<http://www.la-rics.org/documents>

**City of Claremont**

***LTE Alternative Scenarios (continued)***

*Scenario 11 - Excluding In-Kind Match and Adding Maintenance for a second Redundant Evolved Packet Core*

Hard Match	\$7,600
In-Kind Match	\$0
O&M	\$31,700
Capital Replacement	\$13,900
Administrative	\$5,200
<b>Total</b>	<b>\$58,400</b>
% Change from Baseline	-3%

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

Hard Match	\$7,600
In-Kind Match	\$0
O&M	\$29,000
Capital Replacement	\$0
Administrative	\$5,200
<b>Total</b>	<b>\$41,800</b>
% Change from Baseline	-31%