

**From:** [Jerry Bradshaw](mailto:jerry.bradshaw@sci-cg.com)  
**To:** [Edric Kwan](mailto:edric.kwan@moraga.ca.us)  
**Subject:** RE: Moraga Storm Drainage - NPDES Costs  
**Date:** Friday, February 17, 2017 9:49:54 AM

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Excellent

Jerry Bradshaw, P.E., Senior Engineer

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***30 Years of Service to Public Agencies***

**From:** Edric Kwan [mailto:[ekwan@moraga.ca.us](mailto:ekwan@moraga.ca.us)]

**Sent:** Friday, February 17, 2017 8:50 AM

**To:** Jerry Bradshaw <[jerry.bradshaw@sci-cg.com](mailto:jerry.bradshaw@sci-cg.com)>

**Cc:** John Bliss <[john.bliss@sci-cg.com](mailto:john.bliss@sci-cg.com)>; Kyle Tankard <[kyle.tankard@sci-cg.com](mailto:kyle.tankard@sci-cg.com)>

**Subject:** RE: Moraga Storm Drainage - NPDES Costs

Yes, let's add the clean water element into the program. Town Council will chime in if they want it removed. Thanks. edric.

Sent from my Verizon 4G LTE smartphone

----- Original message -----

**From:** Jerry Bradshaw <[jerry.bradshaw@sci-cg.com](mailto:jerry.bradshaw@sci-cg.com)>

**Date:** 2/16/17 11:59 AM (GMT-06:00)

**To:** Edric Kwan <[ekwan@moraga.ca.us](mailto:ekwan@moraga.ca.us)>

**Cc:** John Bliss <[john.bliss@sci-cg.com](mailto:john.bliss@sci-cg.com)>, Kyle Tankard <[kyle.tankard@sci-cg.com](mailto:kyle.tankard@sci-cg.com)>

**Subject:** Moraga Storm Drainage - NPDES Costs

Edric,

As we draft the funding options report, I am summarizing the costs that the Town is facing. From the Master Plan, we get \$26 million for CIP and \$240,000 for maintenance.

But what about your NPDES compliance needs. I looked back at the 2011 work for the clean water measures throughout the County, and found that Moraga had an estimated need for NPDES

**Transfers Out to Capital Projects**

100 Developer Fee Fund (Palos)	157,837	36,630	1,027,449	2,418,182	82,000
103 COPS / SLESF - Public Safety	-	40,501	30,000	30,000	30,000
109 Public Safety Sales Tax (Prop 172)	-	9,747	-	-	-
134 Art In Public Spaces	-	-	84	4,916	-
140 Lighting Special District	-	-	-	215,000	-
205 Gas Tax	241,462	239,739	298,419	1,939	10,000
210 Measure J - Transportation	267,023	129,654	401,960	585,990	30,000
211 Measure J - Program 28C Funds	-	-	6,957	123,043	-
230 Traffic Safety (Vehicle Code Fines)	-	10,000	5,103	14,897	10,000
250 Park Dedication (Quimby Act)	-	-	-	45,000	166,800
500 Lighting Assessment District	10,729	14,137	199,639	133,065	60,000
510 <b>NPDES</b>	128,594	14,693	7,980	101,712	10,000
701 210 COP - Town Hall Improvements	151,719	18,915	3,661	924	-
702 2013 COP - Infrastructure Improvements	2,120,376	2,744,750	1,371,524	1,300,000	-
715 Comcast Unrestricted	-	36,508	34,272	-	-
716 Comcast Restricted (PEG)	26,177	79,176	142,612	-	-
750 Asset Replacement	156,673	258,175	158,885	58,249	-
7xx Development Impact Fees	62,000	25,000	1,109	106,443	333,000
<b>Subtotal - Transfers Out to Capital Projects</b>	<b>3,322,590</b>	<b>3,657,626</b>	<b>3,689,652</b>	<b>5,139,360</b>	<b>731,800</b>

**Five-Year Capital Improvement Program (CIP)  
FY 2017/18 to FY 2021/22  
Summary by Funding Source**

<b>Fund No.</b>	<b>Fund Description</b>	<b>BUDGET FY17/18</b>	<b>PROJECTED FY18/19</b>	<b>PROJECTED FY19/20</b>	<b>PROJECTED FY20/21</b>	<b>PROJECTED FY21/22</b>
100	Palos Colorados	82,200				
101	General Fund	12,000				
103	Citizens Option for Public Safety (COPS)	30,000	30,000	30,000	30,000	30,000
205	Gas Tax	10,000	10,000	10,000	10,000	10,000
210	Measure J (Return to Source 18% Funds)	30,000	30,000	30,000	30,000	30,000
230	Traffic Safety (Vehicle Code Violations)	10,000	10,000	10,000	10,000	10,000
250	Park Dedication Fees (Quimby Act)	166,800				
500	Lighting Assessment District		300,000			
510	National Pollutant Discharge Elimination System (NPDES)	10,000	20,000	20,000	20,000	20,000
700	Capital Improvements (Grants)	1,275,754	1,553,000			
711	Street Pavement Program	1,246,000	1,278,000	1,311,000	1,345,000	1,380,000
720	Public Safety Impact Fees	41,250				
770	Storm Drain Impact Fees	108,000				
780	Government Impact Fees	148,750				
790	Park Development Impact Fees	35,000				
<b>FUNDED TOTAL</b>		<b>3,205,754</b>	<b>3,231,000</b>	<b>1,411,000</b>	<b>1,445,000</b>	<b>1,480,000</b>

**EXPENDITURES:****TRANSFERS OUT TO:**

510-000-099-01

Fund 101 - GENERAL FUND

Storm Water/Drainage Operations

234,502

212,924

191,828

242,714

194,174

510-000-099-01

Fund 700 - CAPITAL PROJECTS

Moraga Commons Off Street Parking

Minor Corrugated Metal Pipe Repair Prog (Annual)

5,839

14,693

1,492

50,000

5,000

Storm Drain Master Plan

40,000

5,180

33,020

Calle La Mesa Storm Drain

82,755

Trash Load Reduction Program (Annual)

1,308

18,692

5,000

**TOTAL Expenses****363,096****227,616****199,808****344,426****204,174**

FIVE-YEAR FINANCIAL PROJECTIONS -

	ACTUAL FY 2013-14	ACTUAL FY 2014-15	ACTUAL FY 2015-16	ADJUSTED FY 2016-17	ADOPTED FY 2017-18	M
<b>Revenue</b>						
100 Developer Fee Fund (Palos)	-	-	2,250,000	-	-	
103 COPS / SLESF - Public Safety	166,666	132,397	100,380	100,380	100,400	
109 Public Safety Sales Tax (Prop 172)	61,303	63,568	63,053	59,100	62,915	
134 Art in Public Spaces	-	-	5,000	-	-	
140 Lighting Special District	128,112	140,222	150,138	153,524	153,524	
205 Gas Tax	523,878	423,889	365,096	301,950	479,400	
210 Measure J - Return to Source	288,405	351,537	332,237	339,974	341,500	
211 Measure J - Program 28C Funds	60,794	16,390	17,304	17,333	18,330	
230 Traffic Safety (Vehicle Code Fines)	31,175	35,549	32,425	45,075	37,675	
250 Park Dedication (Quimby Act)	10,217	10,259	173,604	10,703	-	
260 Asset Forfeiture	22	22	35	20	25	
500 Lighting Assessment District	221,856	221,917	316,982	239,988	195,791	
510 NPDES	234,794	234,505	226,445	240,070	235,075	
<b>Total Sources</b>	<b>1,727,219</b>	<b>1,630,255</b>	<b>4,032,698</b>	<b>1,508,117</b>	<b>1,624,635</b>	