



THE CITY OF SAN DIEGO

Report to the City Council

DATE ISSUED: November 29, 2016 REPORT NO: 16-106

ATTENTION: Honorable Council President and Members of the City Council

SUBJECT: Status of the Utility Undergrounding Program and Approval of Projects

REFERENCE: Council Policy 600-08, Underground Conversion of Utility Lines by Utility Company

REQUESTED ACTION:

In accordance with Council Policy 600-08,

- 1) Accept this report regarding the status of projects, expenditures, finances for the City's Utility Undergrounding Program (UUP).

STAFF RECOMMENDATION:

Approve the requested action.

DISCUSSION:

The City's Utilities Undergrounding Program, which includes the State mandated undergrounding requirements, benefits the residents by facilitating the conversion of overhead utility lines to safer and more reliable underground services, in addition to improving esthetics of the community. The Program utilizes two funding mechanisms:

- 1) The California Public Utilities Commission (CPUC) Rule 20, part A (Rule 20A), which obligates San Diego Gas and Electric (SDG&E) to expend a certain amount of revenue on underground conversion.
- 2) The electrical utility surcharge (Surcharge), which is collected by SDG&E and remitted to the City's Underground Surcharge Fund.

This report represents the first semi-annual report for Fiscal Year 2017 on the status of underground conversion projects and associated funds, in conformance with Council Policy 600-08 which requires reporting to City Council twice per year.

Status of Allocated Projects

Since the start of Rule 20A conversions in 1970, 406 miles of overhead utilities have been converted to underground services with approximately 1,000 miles remaining. The program goal is to complete 15 miles per year and we are anticipating meeting this goal at the end of Fiscal Year 2017. Meeting the Program goal in past years has been challenging due to the time it takes to obtain full cooperation from property owners and due to limited resources within the participating utilities, especially on large projects that involve 300 to 400 properties. Table A shows the annual mileage completion since the program's inception.

Table A
Rate of Utility Conversion (miles per year)

Time Period	Rule 20A Projects	Surcharge Projects	Both Types Combined
Prior to calendar year 2000	8.0	0	8
Calendar year 2000 to 2009	6.0	6.6	12.6
Calendar year 2010	1.3	10.7	12.0
Calendar year 2011 (and part of 2012)	0.1	15.9	16.0
Fiscal year 2013 (and part of FY 2012)	2.0	16.7	18.7
Fiscal year 2014	2.2	5.2	7.4
Fiscal year 2015	2.2	12.8	15.0
Fiscal year 2016	2.3	7.4	9.7
Fiscal year 2017 (Projected)	4.3	10.7	15.0

In addition to conversion of overhead utilities, the program addresses impacts to the right of way by overseeing and providing funds for required work, including streetlights, curb ramps, street trees, and road repairs. As of this report, the UUP has installed 3,202 streetlights, 2,515 curb ramps, 1,757 street trees, and resurfaced or slurry sealed 166 miles of roadway.

Undergrounding projects are selected from the Utility Undergrounding Master Plan (Master Plan) in coordination with Council Offices. After the initial approval of the project allocation, and the completion of the environmental review, the City Council establishes Underground Utility Districts by way of a Public Hearing. Once Districts are established, the design and construction proceed. The status of previously allocated undergrounding projects that are not yet completed is summarized in Table B below, with additional details provided in Attachment 1.

Table B
Status of Allocated Projects
(at the end of the first quarter of FY 2017)

Phase	No. of Projects	Length (Miles)	Cost Estimate**	Customers
Allocated CPUC Rule 20A Projects				
Construction	22	12.9	\$26,901,799	1,201
Design	21	9.8	\$25,854,179	890
Public Hearing*	13	8.0	\$19,287,315	574
Sub-Total	56	30.7	\$72,043,293	2,665
Allocated Surcharge Projects				
Construction	10	24.9	\$69,206,008	4,164
Design	15	35.5	\$95,111,093	4,436
Public Hearing*	30	78.1	\$204,113,834	9,685
Sub-Total	55	138.5	\$368,430,935	18,285
All Projects Combined				
Total	111	169.2	\$440,474,228	20,950

Source: Underground Utilities Program Monthly Status Update for September 26, 2016

* Projects that have been allocated but design has not started (includes environmental and public hearing)

**Average cost is \$2.6 million per mile based on estimated project costs from the Utilities Undergrounding Master Plan. Cost estimates are from the 2009 Master Plan which only estimates the cost of SDG&E construction and overhead. Costs not included in these estimates are Capital Improvement Program contract costs, environmental mitigation, surveying, and in-house labor costs.

A report by the Office of the City Auditor (Report No. OCA-15-011) recommended that the semi-annual report to the City Council on the status of the Utilities Undergrounding Program should include information on cost and schedule variances for projects that have been allocated. Work is underway in developing project management tools for performing a precise cost and schedule variance analyses on a routine basis. It is anticipated this effort will be completed by the end of 2017. For the purposes of this report, staff has performed a simplistic analysis to determine the variances of costs and schedules for a small sample of projects.

Our initial findings are that project schedules are subject to a number of factors that are out of staff control such as participating utility company's resources, uncooperative property owners, design constraints due to limited right of way, community uniqueness, coordination with other right of way projects, environmental requirements, and construction moratoria. Because of these factors, projects are allocated without a proposed schedule. Instead, general timeline information is provided on the Transportation & Storm Water Department's Utilities Undergrounding website, and an informational brochure is distributed at public meetings.

Staff compared the general schedule information to an actual project schedule and have the following findings:

- Project Design: Published estimates of 12 to 18 months for project design are generally achieved on Rule 20A projects, but are often exceeded on Surcharge projects.
- Project Construction: Published estimates of 18 to 24 months for undergrounding construction are generally met for Rule 20A projects, but are often exceeded on Surcharge projects.

As a general rule, Surcharge projects are much larger in size than Rule 20A projects. The phase of construction with the greatest schedule variance is the "cut-over" phase. This phase entails the switching over of the utilities from the old overhead system to the new underground system. The primary cause is the challenge of coordinating with individual property owners, particularly when the owner is required to arrange for corrective work to address an electrical code violation or to perform a code required upgrade. It is important to recognize that this initial analysis was performed using a small sample size. Regardless, it is readily apparent that the schedule information provided to the public needs to be revised. The information will be revised to show longer, more realistic timeline estimates for the Surcharge projects. This is consistent with the fact that Surcharge projects are typically at least four times larger in cost and size than the Rule-20A projects.

Regarding the cost variance, the estimated cost of each project is typically communicated to the public when the project is allocated. These estimates are taken from the current Master Plan which was last updated in 2009. The Master Plan is in the process of being updated and will include updated project cost estimates. At this time, there is no process in place for routinely updating the cost estimates included in the current Master Plan. The new Master Plan format will allow staff to regularly update the cost estimates.

Because SDG&E manages the funds for Rule 20A projects, staff has only analyzed cost variances for Surcharge projects. Our findings, which are based on a small sample size, are as follows: Costs were found to range from 80% to 190% of the original cost estimate. It should be noted that these cost estimates only consider the work that is performed by SDG&E

and billed to the City. To improve transparency in communicating the estimated and actual costs of the undergrounding projects, future documents, including this report, will include footnotes to clarify what is included in the estimated and actual costs. Staff are currently evaluating a switch toward including all project related costs in the project cost estimate.

The report of the City Auditor provided for a greater focus on key elements of the program that can be improved. Ongoing consultant work to fully implement the audit recommendations, concurrent with improvements to the Master Plan, will result in better delivery of services as well as greater transparency.

In 2014, Council had convened a Utilities Undergrounding Advisory Committee which developed a series of recommendations for addressing concerns about above ground utility boxes that are installed as a part of the undergrounding work. The recommendations, which include implementing measures to reduce the visual impact of utility boxes, and to increase outreach to the community, have been fully implemented as detailed in semi-annual report presented to Council in June 2016. Staff are continuing to refine and improve website communications and other outreach practices in coordination with community groups and the utility companies.

Status of Underground Surcharge Fund and Expenditures

Surcharge revenue for undergrounding projects is collected by SDG&E, as approved by the CPUC, at a rate of 3.53% of the gross receipts, and remitted to the City on a quarterly basis. The City budgets this revenue in Funds 200217 and 200218, collectively referred to as the Underground Surcharge Fund. Because these funds are managed by the City, the funds are reported on the City's Fiscal Year calendar.

Fiscal Year 2016 expenditures were \$31,741,235.63 and revenue was \$67,530,925.37. At the end of Fiscal Year 2016, the Underground Surcharge Fund had a fund balance of \$122,768,350.10. Fiscal Year 2017 budgeted revenue is \$68,781,508.00. Fiscal Year 2017 expenditures through Period 3 were \$2,119,405.79.

Status of Rule 20A Fund and Expenditures

Revenue for Rule 20A undergrounding projects is collected and managed by SDG&E, as approved by the CPUC, at a rate of 1.15% of the gross receipts. SDG&E uses this revenue to design and construct Rule 20A eligible projects after they have been approved by the City Council.

There is no updated information available since the June 2016 Program Status Report. The information is provided by SDG&E on an annual basis; therefore, updated information will be provided in the next report.

Update to the Master Plan

Council Policy 600-08 establishes a requirement to maintain a master plan to guide the selection of projects to be allocated. The Master Plan has been in place since the establishment of the Surcharge Fund. The current version of the Master Plan, which was adopted by City Council in 2009, is due for an update. Two drivers for this update are (1) a need to align the plan to the nine Council District boundaries established in 2011, and (2) to take advantage of the knowledge staff has gained in implementing projects for a number of years.

Starting in November 2015, the consultant hired by the Undergrounding Program has performed research and analyses and has developed a proposed method for updating the Master Plan. The work to-date will be detailed in a draft report that will be released for public comment in early calendar year 2017. Public input will be facilitated through a City webpage and a series of public meetings. The final production of the updated Master Plan will be based on a final version of that report after review and consideration of public input. Council adoption of the updated Master Plan is planned for the end of calendar year 2017.

Allocation of Projects

Each fiscal year the Council is requested to approve a new list of projects to move forward. This approval is referred to as project allocation. The most recent allocation was less than six months ago; therefore, the next allocation will be requested later this Fiscal Year during the time of the second semi-annual report on status of the Program. To ensure continuation of project allocation while updating the Master Plan, the upcoming projects allocation list will be based on the current Master Plan.

CITY STRATEGIC PLAN GOAL(S)/OBJECTIVE(S):

Goal # 1: Provide high quality public service

Objective # 1: Promote a customer-focused culture that prizes accessible, consistent, and predictable delivery of services

Objective # 2: Improve external and internal coordination and communication

Objective # 3: Consistently collect meaningful customer feedback

Goal # 2: Work in partnership with all of our communities to achieve safe and livable neighborhoods

Objective # 3: Invest in infrastructure

FISCAL CONSIDERATIONS:

No additional appropriations are being requested with this action.

PREVIOUS COUNCIL and/or COMMITTEE ACTIONS:

December 11, 2001: Established a Memorandum of Understanding with SDG&E to implement the Surcharge Program, Council Policy 600-08, and the Surcharge Fund. April 20, 2010: Approved the 2009 Master Plan. Previous status of the Utilities Undergrounding Program was presented to the Environmental Committee on May 26, 2016 and to Council on June 21, 2016.

COMMUNITY PARTICIPATION AND OUTREACH EFFORTS:

An array of outreach methods including project e-newsletters, a highly informative website, community meetings and a dedicated telephone and email information line are utilized to inform and engage the thousands of citizens that are directly impacted by the construction of undergrounding projects.

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KEY STAKEHOLDERS AND PROJECTED IMPACTS:

The primary stakeholders are the citizens of San Diego who benefit from removal of overhead utilities across the city. The process of undergrounding creates impacts typically associated with construction in the street right-of-way, including lane closures. Private property owners are impacted by construction on their property to connect the underground lines. These inconveniences are minimized through planning and notification.

 11-29-16

Kris McFadden, Director
Transportation & Storm Water Department



Paz Gomez, PE, CEM, GBE
Deputy Chief Operating Officer
Infrastructure/Public Works

Attachment(s):

1. Program Status Information
 - (a) Status of Allocated Underground Conversion Projects
 - (b) Program Expenditures

Attachment 1(a)
Status of Allocated Underground Conversion Projects

Project Status Summary Table

Project Status	Fund Source	No. of Projects	Cost Estimate	Miles	Properties to Convert
Construction	Rule 20A	22	\$26,901,799	12.9	1,201
Construction	Surcharge	10	\$69,206,008	24.9	4,164
Design	Rule 20A	21	\$25,854,179	9.8	890
Design	Surcharge	15	\$95,111,093	35.5	4,436
Public Hearing	Rule 20A	13	\$19,287,315	7.8	574
Public Hearing	Surcharge	30	\$204,113,834	78.1	9,685
Totals		111	\$440,474,228	169.1	20,950

Footnotes (these notes apply to all of Attachment 1a)

1. Data source: UUP Database
2. Date of data extract: 09/26/2016
3. Project cost estimates are from the 2009 Utilities Undergrounding Master Plan
4. Cost estimates include only reimbursable SDG&E direct and overhead costs for construction

Attachment 1(a)
Status of Allocated Underground Conversion Projects

Rule 20A Projects in Construction Phase

Construction Phase includes underground conversion in right of way and private properties, community forums, CIP construction and removal of overhead utilities

CD	Project Name	Project Limits	Miles	Properties	Est. Cost
1	Eastgate Mall	(Eastgate Dr to 1-805 SB)	0.2	1	\$579,808
2	Sunset Cliffs Boulevard	(Coronado Ave to Newport Ave)	0.4	37	\$1,169,086
2	Moraga Avenue (Phase II)	(Moraga Ct to Monair Dr)	0.9	135	\$2,499,770
2	Fanuel Street (Phase III)	(Grand Ave to Pacific Beach Dr/Bay)	0.5	134	\$1,744,516
2	Illion Street	(Gardena Ave to Milton St)	0.3	39	\$859,565
3	30th Street (Phase IIIB)	(A St to K St)	1.6	15	\$436,839
3	Lincoln Avenue	(30th St to Wabash Ave)	0.5	42	\$1,020,321
4	Cardiff Street	(Wade Street to Carlisle Dr)	0.2	7	\$543,238
4	San Vicente Street (Phase II)	(Meadowbrook Dr to San Vicente Ct)	0.1	19	\$431,103
4	San Vicente Street (Phase I)	(San Vicente Ct to Ashmore Ln)	0.3	62	\$1,908,996
4	Woodrow Avenue	(Calvocado St to Armacost Rd)	0.3	33	\$725,639
4	Potomac Street	(Calle Tres Lomas to Sea Breeze Dr)	0.4	70	\$1,151,482
6	Mount Alifan Drive	(Genesee Ave to Mt Everest Bl)	0.3	2	\$562,101
8	Island Avenue (Phase II)	(26th St to 30th St)	0.5	52	\$1,502,391
8	Island Avenue (Phase I)	(16th St to 24th St)	0.6	43	\$1,643,259
8	24th Street	(G St to Imperial Ave)	0.4	43	\$968,733
8	28th Street	(Island Ave to Clay Ave)	0.4	59	\$1,267,157

Attachment 1(a)
Status of Allocated Underground Conversion Projects

9	Euclid Avenue	(Euclid Ave to University Ave)	0.6	137	\$2,020,680
9	Trojan Avenue (Phase II)	(54th St to 56th St)	0.3	10	\$620,766
9	Altadena, Wightman, Winona	(El Cajon Bl to Euclid Ave)	1.6	136	\$1,661,723
9	Trojan Avenue (Phase I)	(56th St to 60th St)	0.5	52	\$1,177,226
9	National Avenue	(32nd St to 43rd St)	1.7	73	\$2,407,400
Totals			12.9	1,201	\$26,901,799

Surcharge Projects in Construction Phase

Construction Phase includes underground conversion in right of way and private properties, community forums, CIP construction and removal of overhead utilities

CD	Project Name	Community	Miles	Properties	Est. Cost
2	Residential Project Block 6DD	(Bay Ho 3)	2.9	423	\$7,559,180
2	Residential Project Block 2S1	(South Mission Beach)	2.6	768	\$8,629,978
3	Residential Project Block 8A	(Golden Hill)	2.0	516	\$6,381,520
3	Residential Project Block 8B	(Sherman Heights 3)	2.3	400	\$6,429,745
4	Residential Project Block 4N	(North Encanto)	2.3	267	\$5,674,698
7	Residential Project Block 7R	(Allied Gardens)	2.3	392	\$6,243,318
8	Residential Project Block 8F	(Sherman Heights)	2.4	396	\$7,951,749
8	Residential Project Block 8G	(Sherman Heights 2)	2.0	345	\$5,793,992
9	Residential Project Block 3HH	(Talmadge 3)	3.1	377	\$7,750,780
9	Residential Project Block 7A	(Fox Canyon)	3.1	280	\$6,791,048
Totals			24.9	4,164	\$69,206,008

Attachment 1(a)
Status of Allocated Underground Conversion Projects

Rule 20A Projects in Design Phase

Design Phase includes engineering design by all utilities, CIP design, community meetings, permitting and procuring construction contracts

CD	Project Name	Community	Miles	Properties	Estimated Cost
1	Via de la Valle (Phase II)	(San Andres Dr to Via de la Valle)	0.6	0	\$1,186,426
1	Via de la Valle (Phase I)	(Highland CV to Via de la Valle)	0.4	0	\$764,320
2	Hancock Street	(Witherby St to W Washington St)	0.6	21	\$1,336,529
2	Cass Street	(Grand Ave to Pacific Beach Dr)	0.3	23	\$935,617
2	Fanuel Street (Phase I)	(Archer St to Tourmaline St)	0.3	14	\$427,577
2	Mission Boulevard	(Loring St to Turquoise St)	0.3	69	\$946,538
2	Baker Street/Shawnee Road	(Morena Bl to Shawnee Rd N)	0.9	109	\$2,483,924
3	Howard Avenue (Phase II)	(Texas St to I-805)	0.8	114	\$2,485,735
3	San Diego Avenue	(Old Town Ave to McKee St)	0.7	63	\$1,957,231
3	Howard Avenue (Phase I)	(Park Bl to Texas St)	0.5	59	\$1,421,848
4	Hughes Street	(58th St to Jodi St)	0.4	42	\$986,948
6	Marlesta Drive/Beagle Street	(Genesee Ave to Beagle St/Marlesta Dr to Ashord St)	1.0	108	\$2,680,910
8	30th Street (Phase IIIC)	(Ocean View Bl to K St)	0.8	49	\$2,079,996
8	Coronado (SB) Avenue	(27th (SB) St RA to Madden Ave)	0.3	37	\$736,737
8	31st Street (Distribution)	(Market St to L St)	0.3	23	\$800,763
8	32nd Street (Phase II)	(Market St to Imperial Ave)	0.4	27	\$1,156,955
8	32nd Street (Phase I)	(Market St to F St)	0.1	13	\$423,246

Attachment 1(a)
Status of Allocated Underground Conversion Projects

8	25th (SB) Street	(Coronado Ave to Grove Ave)	0.2	4	\$401,292
9	Wightman Street	(Chamoune Ave to Euclid Ave)	0.3	31	\$707,932
9	Seminole Drive	(Stanley Ave to Estelle St)	0.2	29	\$642,897
9	Hilltop Drive	(Boundary St to Toyne St)	0.4	55	\$1,290,758
Totals			9.8	890	\$25,854,179

Surcharge Projects in Design Phase

Design Phase includes engineering design by all utilities, CIP design, community meetings, permitting and procuring construction contracts

CD	Project Name	Project Limits	Miles	Properties	Estimated Cost
1	Residential Project Block 1J	(La Jolla 2)	2.5	216	\$6,081,016
1	Residential Project Block 1J PHII	(Via Capri)	1.6	263	\$4,219,157
1	Via de la Valle	(Highland Cove to Polo Point)	1.9	0	\$3,962,042
1	Residential Project Block 1M1	(Newkirk Dr)	2.3	202	\$5,497,160
1	Residential Project Block 1M	(Muirlands-West)	2.6	238	\$6,184,744
2	Residential Project Block 6DD1	(Clairemont Mesa)	3.9	457	\$9,621,394
2	Residential Project Block 2S2	(Jersey Court)	2.1	485	\$8,153,551
2	Residential Project Block 6H	(Trenton Ave)	3.9	560	\$10,206,251
3	Residential Project Block 8C	(C Street)	1.7	428	\$5,334,226
4	Residential Project Block 4J1	(Chollas Blk)	2.3	330	\$5,964,825
4	Paradise Valley Road Transmission	(Brookhaven Rd to Meadowbrook Dr)	1.2	0	\$4,500,000
4	Residential Project Block 4Y	(San Felipe St)	2.2	312	\$6,012,397

Attachment 1(a)
Status of Allocated Underground Conversion Projects

8	Residential Project Block 8R	(Date Ave)	2.2	243	\$5,624,468
9	Residential Project Block 7G2	(Acorn St)	2.6	364	\$6,841,468
9	Residential Project Block 7O1	(Walsh Way)	2.7	338	\$6,908,394
Totals			35.5	4,436	\$95,111,093

Rule 20A Projects in Public Hearing Phase

Public Hearing Phase includes boundary refinement, environmental review, public notice mailings, and surveying

CD	Project Name	Project Limits	Miles	Properties	Estimated Cost
1	El Camino Real	(Old El Camino Real to Via de la Valle)	1.1	0	\$1,482,706
1	Sorrento Valley Road	(Sorrento Valley Rd to I-805 SB off RA)	0.9	5	\$1,966,997
2	Ingraham Street	(Beryl St to Felspar St)	0.5	30	\$1,307,238
2	Ingulf Street	(Morena Bl to Erie St)	0.2	10	\$507,700
3	Redwood Street	(Pershing Dr to Boundary St)	1.0	107	\$2,685,422
4	Hilltop Drive	(44th St to Euclid Ave)	0.9	80	\$2,314,706
6	Mount Acadia Boulevard	(Mt Alifan Dr to Mt Burnham Dr)	0.7	81	\$1,761,594
7	Golfcrest Drive	(Jackson Dr to Wandermere Dr)	0.4	45	\$968,426
7	Fairmount Avenue	(Mission Gorge Rd to Sheridan Ln)	0.7	31	\$1,687,394
8	Sampson Street	(Main St to Clay Ave)	0.6	59	\$1,780,965
8	Cesar Chavez Pkwy	(I-5 to Commercial St)	0.3	20	\$796,364
9	Seminole Drive (Phase II)	(El Cajon Bl to Stanley Ave)	0.3	55	\$997,481

Attachment 1(a)
Status of Allocated Underground Conversion Projects

9	Orange Avenue	(Central Ave to Fairmount Ave)	0.3	51	\$1,030,322
Totals			7.8	574	\$19,287,315

Surcharge Projects in Public Hearing Phase

Public Hearing Phase includes boundary refinement, environmental review, public notice mailings, and surveying

CD	Project Name	Project Limits	Miles	Properties	Est. Cost
1	Residential Project Block 1Y	(Del Mar Heights/Carmel Valley)	2.6	82	\$5,693,920
1	Residential Project Block 1S		2.4	291	\$6,041,222
1	Residential Project Block 1H		2.4	252	\$5,885,970
2	Residential Project Block 6H1	(Bay Park)	4.0	660	\$10,853,079
2	Residential Project Block 2BB		3.7	502	\$9,731,509
2	Residential Project Block 2S3		2.0	511	\$8,031,481
2	Residential Project Block 2K		2.9	270	\$6,932,680
3	Residential Project Block 3DD	(Adams North)	2.8	387	\$7,046,760
3	Residential Project Block 3BB		2.5	424	\$6,900,025
3	Residential Project Block 2F		2.1	234	\$5,336,802
3	Residential Project Block 3BB2		2.4	426	\$6,787,922
4	Residential Project Block 4Y1	(Jamacha Lomita)	2.3	312	\$6,269,772
4	Residential Project Block 4R1		3.3	416	\$8,488,372
4	Residential Project Block 4X		2.3	284	\$5,998,405
4	Residential Project Block 4X1		2.3	320	\$6,207,900

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Status of Allocated Underground Conversion Projects

5	Camino Del Norte Transmission	(Rancho Bernardo)	1.7	0	\$4,500,000
6	Residential Project Block 6K1	(North Clairemont)	3.0	395	\$7,740,107
6	Residential Project Block 6K2		2.9	448	\$7,748,841
6	Residential Project Block 6K		3.1	424	\$7,979,653
7	Residential Project Block 7T	(Allied Gardens)	2.8	389	\$7,392,949
7	Residential Project Block 7R1		2.5	332	\$6,619,867
7	Residential Project Block 7U		2.8	224	\$6,668,307
8	Residential Project Block 8R1	(Egger Highlands)	2.0	244	\$5,317,215
8	Residential Project Block 8I		2.3	335	\$6,190,240
8	Residential Project Block 8H		2.1	205	\$5,391,837
9	Residential Project Block 7O	(College West)	2.5	113	\$5,510,210
9	Residential Project Block 3CC1		2.8	405	\$7,058,578
9	Residential Project Block 3AA		2.8	306	\$6,995,905
9	Residential Project Block 3AA1		2.8	255	\$7,691,288
9	Residential Project Block 8N		2.0	239	\$5,103,018
Totals			78.2	9,685	\$204,113,834

Attachment 1(b)
Program Expenditures

**San Diego Gas & Electric Co. (SDG&E) Expenditures
Reimbursed by the Underground Surcharge Fund in FY 2016**

Source: SDG&E Monthly Invoices

Fiscal Year 2016	Limits or Community	FY 2016 Expenditures
Source: UUP Database	Sampson St to Harbor Dr	\$ (56,713.73)
Camino Del Norte Transmission	Rancho Bernardo	\$ 19,725.76
Gold Coast Drive Transmission	Maya Linda Rd to Thanksgiving Ln	\$ 134,229.44
Island Avenue Transmission	15th St to 22nd St	\$ (53,826.80)
Mesa College Drive	Linda Vista Rd to Armstrong St	\$ (14,911.62)
Paradise Valley Road Transmission	Brookhaven Rd to Meadowbrook Dr	\$ 100,407.14
Patrick Henry High Block	Around high school	\$ 27,108.50
Residential Project Block 1F	La Jolla 1	\$ (86,613.93)
Residential Project Block 1J	La Jolla 2	\$ 204,868.76
Residential Project Block 2E	Mission Hills	\$ 1,830,185.42
Residential Project Block 2T	Pacific Beach North	\$ 197,226.58
Residential Project Block 3EE	Talmadge 2	\$ (34,817.45)
Residential Project Block 3FF	Talmadge 1	\$ (48,080.89)
Residential Project Block 3HH	Talmadge 3	\$ 2,611,043.00
Residential Project Block 4AA	Paradise Hills	\$ 2,735.15
Residential Project Block 4G	Lincoln Park	\$ (1,141.58)
Residential Project Block 4J1	Chollas Blk	\$ 2,274.64
Residential Project Block 4N	North Encanto	\$ 1,669,651.96
Residential Project Block 4Z	Paradise Hills North	\$ 146,218.12
Residential Project Block 6DD	Bay Ho 3	\$ 773,516.85
Residential Project Block 6I	Bay Ho 2	\$ 18,779.55
Residential Project Block 6J	Bay Ho	\$ 46,940.73
Residential Project Block 7A	Fox Canyon	\$ 337,155.32
Residential Project Block 7O1	Walsh Way	\$ 1,811.75
Residential Project Block 7R	Allied Gardens	\$ 6,945,942.69
Residential Project Block 8A	Golden Hill	\$ 3,316,658.76
Residential Project Block 8B	Sherman Heights 3	\$ 527,115.63
Residential Project Block 8F	Sherman Heights	\$ 167,507.75
Residential Project Block 8G	Sherman Heights 2	\$ 40,793.70
Ridge Manor Avenue	Madra Ave to Del Paso Ave	\$ 58,623.75
Soledad Avenue	Hillside Dr to Exchange Pl	\$ (2,114.17)
Via de la Valle	Highland Cove to Polo Point	\$ 197.90
		\$18,882,498.68

Attachment 1(b)
Program Expenditures

**Capital Improvement Program (CIP) Expenditures
Funded by the Underground Surcharge Fund in FY 2016**

Report run on 11/02/16

Source: SAP

WBS #	Project Name	FY 2016 Total
B00703	Mesa College Dr frm Linda Vista UUD	\$ 255,446.64
B00705	Island Ave from 20th to 30th UUD	\$ 153,452.48
B00708	District 1 Block 1-F UUD	\$ 350,741.53
B00709	District 2 Block 2-E UUD	\$ 207,079.78
B00710	District 3 Block 3-FF UUD	\$ 581,522.88
B00711	District 4 Block 4-G District 4 UUD	\$ 233,219.74
B00713	District 7 Block 7-F UUD	\$ 7,573.54
B00714	District 8 Block 8-F UUD	\$ 1,013,953.81
B00717	30th Street Phase III Broadway to K UUD	\$ 29,402.81
B00718	Trojan Ave 56 to 60th UUD	\$ 51,718.01
B00719	30th Street Phase III Juniper to Ash	\$ 40,885.41
B00720	Sunset Cliffs Dr Coronado to Newport UUD	\$ 20,126.22
B00721	Fanuel St Pl Archer to Tourmaline UUD	\$ 6,412.60
B00722	Fanuel St Phase II Grand to Reed UUD	\$ 16,406.88
B00725	San Vicente Street to Ashmore UUD	\$ 23,782.18
B00726	Morage Ave to Idelwil UUD	\$ 13,288.36
B00787	Natl Ave (32nd to 43rd) UUD	\$ 20,795.88
B00788	Morage Ave Ph II - Moraga Ct to Monair UUD	\$ 36,346.66
B00821	28th Street from Sampson to Harbor UUD	\$ 3,394.55
B00823	District 1 Block 1R UUD	\$ 755.53
B00824	District 2 Block 2J UUD	\$ 55,276.43
B00825	District 3 Block 3EE UUD	\$ 159,034.63
B00826	District 4 Block 4AA UUD	\$ 41,956.42
B00827	District 6 Block 6J UUD	\$ 841,719.31
B00828	District 7 Block 7CC UUD	\$ 1,069,296.93
B00829	District 8 Block 8G UUD	\$ 658,687.38
B00833	Ridgemanor - Madra Ave UUD	\$ 142,568.50
B00835	District 2 Block 2-T UUD	\$ 170,900.98
B00836	District 1 Block 1-J UUD	\$ 4,986.78

Attachment 1(b)
Program Expenditures

B00837	District 3 Block 3-HH UUD	\$ 489,093.61
B00838	District 4 Block 4-Z UUD	\$ 102,203.92
B00839	District 6 Block 6-I UUD	\$ 290,190.76
B00840	Patrick Henry High Block UUD	\$ 279,568.45
B00841	District 8 Block 8-B UUD	\$ 32,165.76
B00842	District 7 Block 7-A UUD	\$ 91,701.99
B00846	Garrison St- Clove St to Rosecrans UUD	\$ 129.26
B00847	Monroe Ave - Winona to Collwood UUD	\$ 143.54
B00848	Briarwood-Brookhaven Rd to Nebraska UUD	\$ 3,504.89
B00849	Jutland Dr - Camino Coralina to Luna UUD	\$ 38,656.92
B00850	Altadena/Wightmand/Winona - El Cajon UUD	\$ 23,617.60
B00851	K Street-19th - 30th UUD	\$ 247,771.58
B00988	Cannon Street from Rosecrans to Evergreen UUD	\$ 92.16
B00996	Curran St (Continental to Sikorsky St) UUD	\$ -
B10197	24th St UUD Streetlights (G St - Imperial)	\$ 71.76
B11131	Euclid Ave UUD Streetlights (Euclid-Univ)	\$ 37,535.21
B12001	St light Design & Install 30th St - Ocean Vw - K St	\$ -
B12036	Blk6Z Serra Mesa Ph2 St. Maint Asphalt/Slurry Seal	\$ 23,385.28
B12055	Block 4N North Encanto UUD	\$ 39,581.18
B12056	Block 8A Golden Hill UUD	\$ 35,485.99
B12064	Block 7R Allied Gardens UUD	\$ 298,829.92
B12065	Block 6DD Bay HO 3 UUD	\$ 97,262.34
B12066	Lincoln Av UUD (30th St-Wabash Av)	\$ 17,369.80
B12067	Block 2S1 South Mission Beach UUD	\$ 22,408.95
B12069	Potomac ST UUD (Calle Tres Lomas-Sea Breeze)	\$ 6,249.01
B13143	31st Street UUD (Market St - L St)	\$ 181.16
B13144	32nd Street UUD (Market St - F St)	\$ 11,283.50
B13145	Cardiff Street UUD (Carlisle Dr - Wade St)	\$ 29,824.19
B13146	Howard Avenue UUD (Park Bl - I-805	\$ 56,135.42
B13147	Illion Street UUD (Gardena Av - Milton St)	\$ 25,132.77
B13148	Mount Alifan Dr UUD (Genesse Ave-Mt Everest Blvd)	\$ 25,633.08
B13149	Paradise Valley Rd UUD (Potomac St-Parkland Wy)	\$ 18,810.71
B13150	Via De La Valle UUD (Highland Cv/City Limits-Polo)	\$ -
B13151	Block 1M UUD (La Jolla 4)	\$ 27,027.10

Attachment 1(b)
Program Expenditures

B13152	Block 4-J1 UUD (Mid City)	\$ 2,247.36
B13153	Block 6DD1 UUD (Clairemont Mesa)	\$ 7,057.79
B13154	Block 701 UUD (College Area)	\$ 15,050.23
B13155	Block 8C UUD (Greater Golden Hill)	\$ 23,084.04
B13156	28th Street UUD (Island Av - Clay St)	\$ 29,356.12
B15084	Block 1M1 UUP (La Jolla)	\$ 1,716.33
B15085	Block 7G2 UUP	\$ 46,841.74
B15086	Block 6H UUP	\$ 8,017.42
B15087	Block 4Y UUP	\$ 24,267.26
B15088	25th (SB) Street UUP (Coronado-SB to Grove) - 20A	\$ 9,842.85
B15089	32nd Street UUP (Market to Imperial) - 20A	\$ 17,644.35
B15090	Baker/Shawnee Rd UUP (Morena to Shawnee)	\$ 7,708.71
B15091	Woodrow Ave UUP (Calvacado to Aemacost) - 20A	\$ 25,992.98
B15092	Wightman Street UUP (Chamoune to Euclid) - 20A	\$ 7,822.40
B15093	Seminole Drive UUP (Stanley to Estelle) - 20A	\$ 7,303.25
B15094	Mission Blvd UUP (Loring to Tourquoise) - 20A	\$ 22,189.09
B15095	Hilltop Drive UUP (Boundary to Toyne) - 20A	\$ 8,691.67
B15096	Hancock Street UUP (Witherby to Tourquoise) - 20A	\$ 16.47
B15097	Block 8R UUP	\$ 24,387.67
B15098	Block 2S2 UUP	\$ 428.54
Total CIP Expenditures		\$ 8,871,446.93

Attachment 1(b)
Program Expenditures

Funded Program Expenditures
Funded by the Underground Surcharge Fund in FY 2016

Report run on 11/02/16

Source: SAP

Description	FY 2016 Expenditures
Building Permit Inspection	\$ 682,666.09
Building Permit Administration	\$ 3,278.44
Archeological Monitoring	\$ 361,496.61
Tree Planting	\$ 31,413.41
Planning & Environmental Review	\$ 9,236.00
Field Inspection	\$ 204,409.34
Surveying	\$ 154,692.96
Public Information Services	\$ 24.20
Analyst/Admin Support	\$ 370,181.19
Engineering Design Review	\$ 4,126.48
SDG&E Undergrounding Expenses*	\$ 18,890,151.38
Code Compliance Support	\$ 127,542.69
Public Works Dept Design & Constr of Block 7G2	\$ 243,782.45
Public Works Dept Design & Constr of Block 8R	\$ 136,455.05
Public Works Dept Design & Constr of Block 4Y	\$ 114,079.93
Update of Utilities Undergrounding Master Plan	\$ 174,860.37
Utilities Undergrounding Program Facilitation & Oversight	\$ 142.84
Funded Program Items Total	\$ 21,508,539.43
Other expenses (Personnel & Overhead)	\$ 1,361,249.27
Total Funded Program Expenditures	\$ 22,869,788.70

* includes \$7,652.70 in labor in addition to SDG&E invoice amounts