



San Diego Unified School District

PHYSICAL PLANT OPERATIONS CENTER ANNEX
4860 Ruffner Street, San Diego, CA 92111-1522

(858) 496-1902
Fax: (858) 496-1953

May 29, 2020

Graham Champion
Labor Compliance and
Construction Contracts Supervisor

Mr. James Cox, P.E.
ENGIE Services U.S.
201 Lomas Santa Fe Drive, Suite 480
Solana Beach, CA 92075

VIA EMAIL ONLY
james.cox@engie.com
jbrown@engie.com

Dear Mr. Cox:

Subject: PS18-0281-06 – Design and Construction of Solar Power Generation Systems at District Sites (SDUSD Project 93360075.1)

Notice to Proceed: No 11 –Henry High School Construction of Solar Photovoltaic System

This letter constitutes your notice to proceed for construction work at Henry High School per your attached proposal with the scope of work breakdown dated May 15, 2020, for the not-to-exceed amount of \$2,475,151.42.

Work shall begin on June 8, 2020, and is to be completed by December 15, 2020.

Correspondence for this NTP is to reference Agreement PS18-0281; NTP 11; Project 93360075.1. In addition, invoices are to have a unique ENGIE invoice number.

Original invoice should be sent to:

San Diego Unified School District
PPO Center, Attn: Catherine Bendixen
4860 Ruffner Street
San Diego, CA 92111

Invoicing inquiries should be directed to Catherine Bendixen at (858) 637-6246.

Please call your construction manager if you have any questions regarding this NTP.

Sincerely,

A handwritten signature in black ink that reads "George A. Hermosillo for OC".

Graham Champion
Labor Compliance and Construction Contracts Supervisor

GC:mf

Attachments

C: Jonathon Brown, ENGIE
S. Hawkins, Coordinator
N. Grosso, CM
J. Hermosillo, PM
J. Bermudez, IOR
I. Anderson, PSA



San Diego Unified School District Photovoltaic Project Group 2 – Henry High School

Mr. David Beltran
Sr. Project Manager
Facilities Planning and Construction

May 15th, 2020

Re: 100% Estimate Construction NTP Request for Photovoltaic Systems at Henry High School

Dear Mr. Beltran,

We are pleased to submit this 100% construction cost estimate and NTP request for the Photovoltaic canopy and rooftop/wall systems at Henry High School. This cost estimate includes all material, labor, & equipment required to perform the following:

Scope of Work

- Provide, install, & interconnect a 619.2 kW DC Solar Canopy System (with an annual energy output of 1,104.8 MWh per year) and a 124.8 kW DC Solar Rooftop/Wallmount System (with an annual energy output of 164.4 MWh per year), as requested by the District.
- Provide and install all inverters, transformers, disconnects, metering equipment, distribution equipment, and balance of systems components as needed to complete and operate the system.
- Install temporary fencing, portable bathrooms, hand wash station, and Best Management Practices (BMPs).
- Perform all trenching, directional boring, as needed to install system.
- Provide and install spare EV Charging conduit per plans.
- Provide and install spare Security camera conduit per plans.
- Restore, to original conditions anything damaged during construction, including all: landscaping, asphalt, concrete, parking-lot striping, curbs, and masonry.
- Perform commissioning and NETA testing of the PV Systems and electrical components per SDUSD approved specification and RFP documents.
- Perform 2 years of Extended Commissioning of the PV Systems per RFP documents.
- Deliver 2 years of Performance Guarantee (PEGU) of the PV Systems per RFP documents.
- Installation to comply with Division of State Architect (DSA) approved plans, SDUSD approved specifications and RFP documents.

During design development, several things have changed from the initial bid that must be accounted for in the final Construction NTP amount. The following is a summary of those items.

System Size Change

- The original target solar PV production listed in the RFP was 1,204 MWh per year for the canopy system only. At that time the rooftop/wall system was under construction to be installed by others. During design ENGIE was asked to include the rooftop/wall system in addition to the canopy system.
-



San Diego Unified School District Photovoltaic Project Group 2 – Henry High School

The target solar PV production was revised by the District on February 4, 2019 to 1,258 MWh per year. The proposed canopy system was reduced from 720.0 kW DC to 619.2 kW DC (with an annual energy output of 1,104.8 MWh per year) and the rooftop/wall system has been sized to 124.8 kW DC (with an annual energy output of 164.4 MWh per year), totaling 744.0 kW DC (with an annual energy output of 1,269.2 MWh per year). Two separate electrical interconnection points are also required for these two solar PV systems at Henry High School.

DSA Required Design Changes

- During the Bid process, it was anticipated that design NTP would be issued in time to utilize the DSA approved canopy pre-check. However, during contract negotiations it became clear that the design NTP would not be issued until after the new DSA regulations would take effect. The result of these changes is an increase to the material & labor cost of the canopy structure. The cost impact of these changes could not be calculated at the time of Contract execution; therefore, they were excluded from our Best And Final Offer (BAFO) and noted as such in the Contract.

Please review the following accounting of these changes. Backup documentation is attached. Thank you for the opportunity to provide this proposal.

Best regards,

Jeff Woldhuis, P.E.
Senior Project Manager

ENGIE Services U.S.
150 E. Colorado Blvd, Ste 360
Pasadena, CA 91105
T. 626.377.9209
C.909.992.8570
jeffrey.woldhuis@engie.com



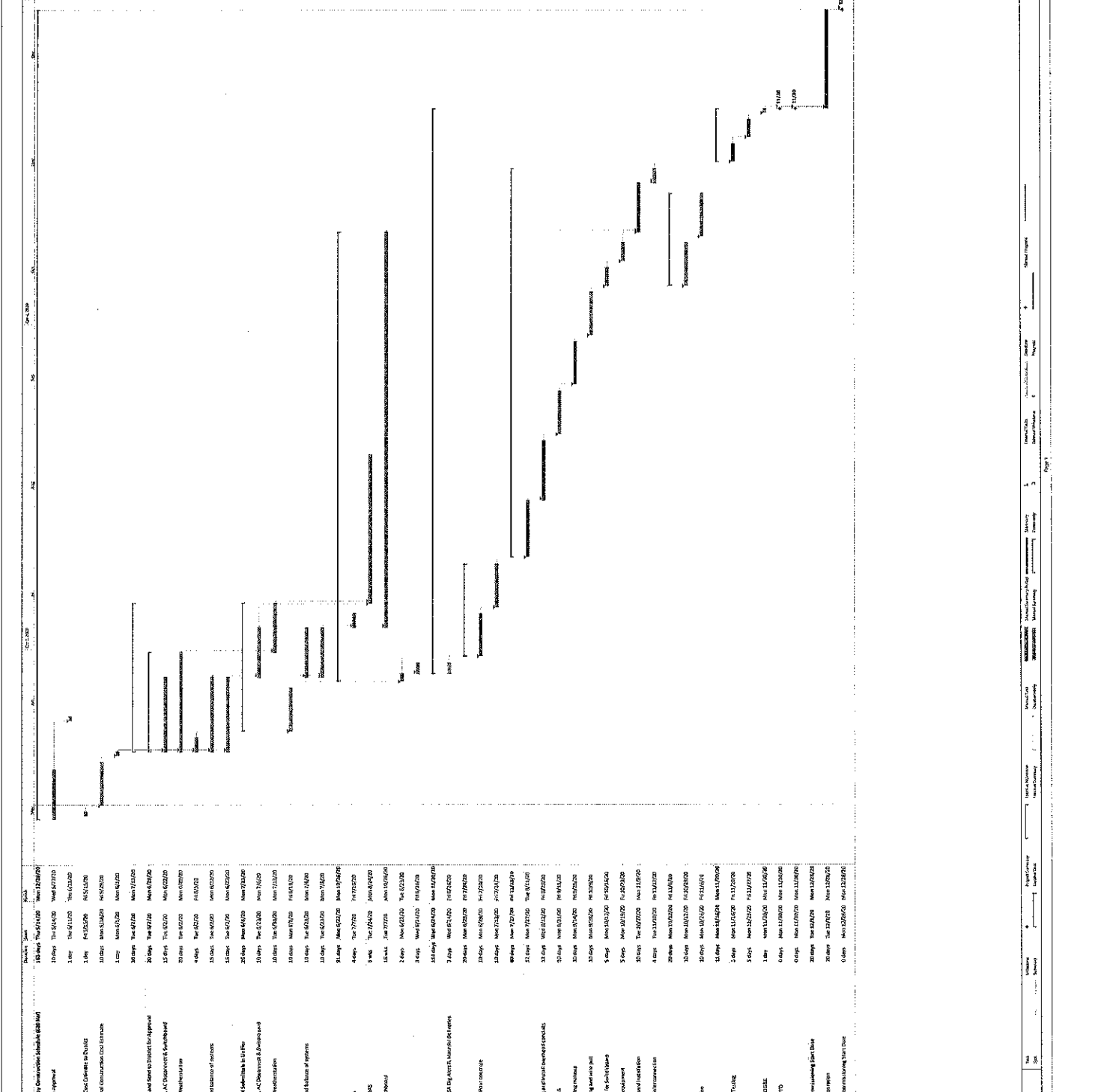
engieservices.us



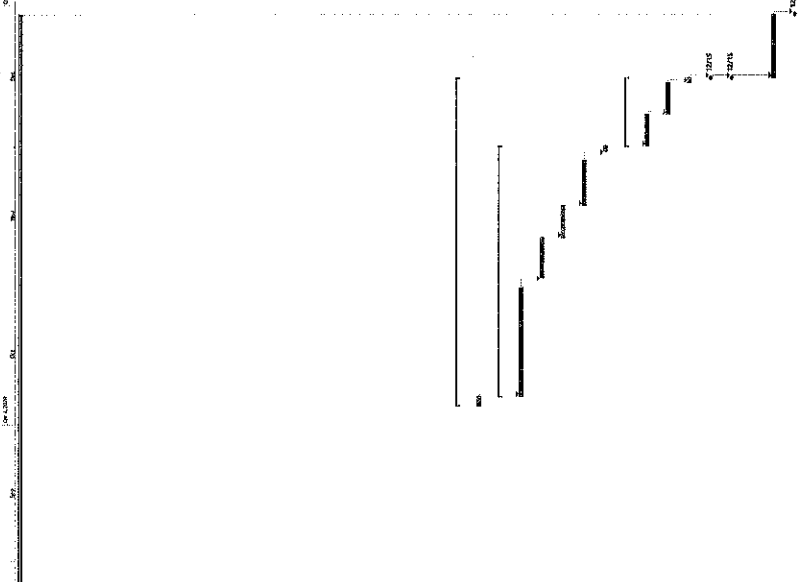
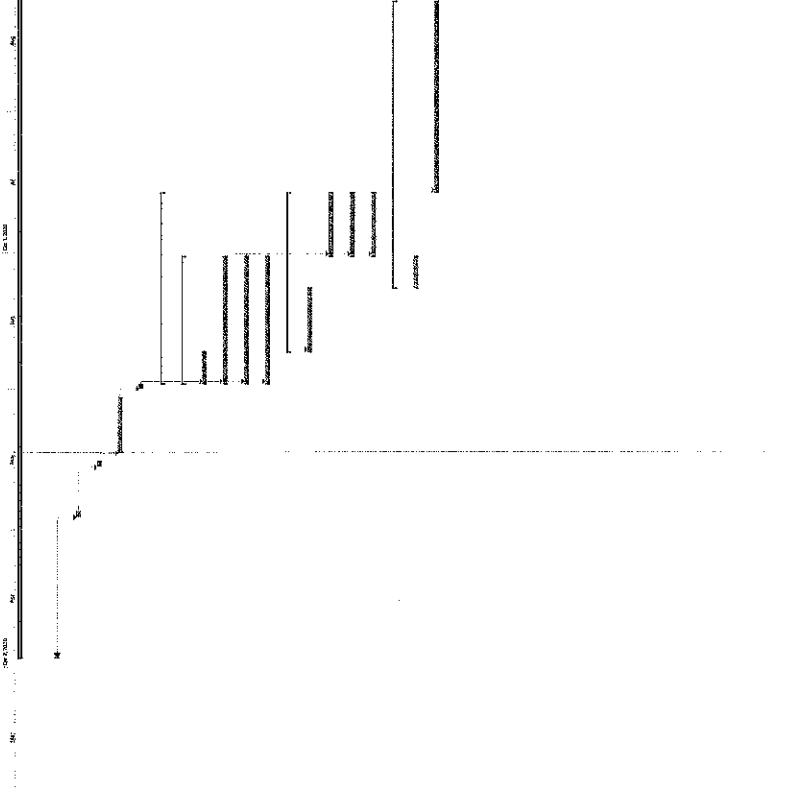
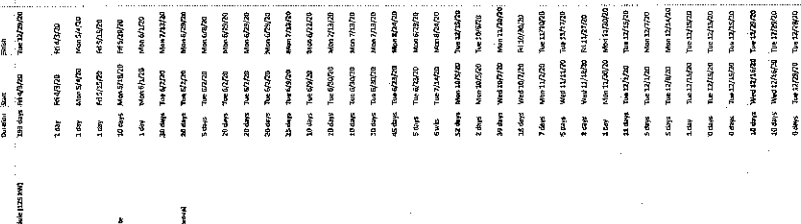
San Diego Unified School District Photovoltaic Project Group 2 – Henry High School

Henry High School - 100% Milestone_Construction NTP Request	
Original BAFO	
Single Site Price	\$ 2,416,101.00
Performance Guarantee	\$ 9,062.00
O&M / Extended Commissioning	\$ 31,717.00
D2 Form Corrections	\$ -
Design Change order - Solar Roof/Wall	\$ 21,300.00
Total Price	\$ 2,478,180.00
System Size Adjustment (Labor, Equipment, & Material):	
Credit - Canopy size reduction (5 less columns, beams and associated purlins - 108.0kW)	\$ (93,948.79)
Credit - Reduced temporary fencing and BMP's with Canopy (108.0kW) footprint reduction	\$ (3,574.04)
Credit - Reduced landscape and irrigation repair costs with Canopy (108.0kW) footprint reduction	\$ (12,955.88)
Credit - Reduced asphalt repair, striping and restoration with Canopy (108.0kW) footprint reduction	\$ (14,296.14)
Add - (42) Modules increase from original design	\$ 15,513.96
Add - Furnish wallmount solar PV racking material per approved drawings	\$ 17,768.92
Add - Install material for Wallmount solar PV system racking	\$ 29,497.71
Add - Furnish and install (2) additional SolarEdge inverters	\$ 10,160.54
Add - Furnish and install Data Acquisition System, communication conduit and wiring for rooftop/wall solar PV system	\$ 3,978.97
Add - Material and labor to perform interconnection tap for the rooftop/wall solar PV system to tie into existing transformer per approved drawings	\$ 9,506.94
Add - Furnish and install a NGOM Power Meter for the rooftop/wall solar PV system	\$ 9,092.00
Add - Provide NETA testing for rooftop/wall solar PV system	\$ 7,100.42
Add - Furnish and install DC and AC wiring for overall added 16.8 kW (727.2 original design versus 744.0 final)	\$ 10,096.15
Add - Labor to cut, demo and dispose of existing rooftop racking per approved drawings to meet fire code	\$ 14,824.50
Add - Furnish and install (5) 60Amp AC non-fusible disconnect switches for rooftop/wall solar PV system	\$ 15,435.00
Add - Furnish and install (156) P860 optimizers to include mounting and bonding on rooftop/wall solar PV system	\$ 31,200.00
Sub-Total	\$ 49,400.26
DSA Required Design Changes:	
DSA Required Structural Changes	
Cost Increase due to DSA Pre-Check Change	\$ 63,601.16
Sub-Total	\$ 63,601.16
Engineering NTP	
Engineering NTP already issued for Design	\$ (94,730.00)
Engineering NTP - Additional Solar already issued	\$ (21,300.00)
Sub-Total	\$ (116,030.00)
100% Milestone - Construction NTP Request	\$ 2,475,151.42

Item	Description	Start Date	End Date	Notes
1	Site Plan Approval	10/01/24	10/15/24	
2	Site Plan Approval	10/01/24	10/15/24	
3	Final Design	10/15/24	10/30/24	
4	Final Design	10/15/24	10/30/24	
5	Final Design	10/15/24	10/30/24	
6	Final Design	10/15/24	10/30/24	
7	Final Design	10/15/24	10/30/24	
8	Final Design	10/15/24	10/30/24	
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49	Final Design	10/15/24	10/30/24	
50	Final Design	10/15/24	10/30/24	



Day	Activity	Start	End
1	Site Preparation	08/20/20	08/20/20
2	Excavation	08/24/20	08/24/20
3	Foundation	08/25/20	08/25/20
4	Structural Steel	08/26/20	08/26/20
5	Roofing	08/27/20	08/27/20
6	Interior Partitions	08/28/20	08/28/20
7	MECA	08/29/20	08/29/20
8	Paint	08/30/20	08/30/20
9	Site Work	08/31/20	08/31/20
10	Final Inspection	09/01/20	09/01/20
11	Handover	09/02/20	09/02/20
12	Site Cleanup	09/03/20	09/03/20
13	Final Report	09/04/20	09/04/20



NTP Request (No PO Exists)

 Upper Form

Record Information

Record Number: NTP-000004	Creator: Nevine Grosso
Project Name: Henry HS Solar Photovoltaic	Creation Date: 05/26/2020 11:50 AM (UTC-8)
Project Number: 93360075.1	Status: Approved
	Record Last Update 05/29/2020 01:43 PM Date: (UTC-8)

NTP Information

Peoplesoft PO Number:
PS Requisition ID:
Campus/Tenant Name:
Title: Henry High School Photovoltaic System
NTP Number: NTP 11 Henry HS
Estimated Task Order \$2,475,151.42 Amount:

Contract Details

Reference Contract: CON-000197	Effective Date: 09/28/2018 05:00 PM (UTC-8)
Contract Number: PS18-0281-06	Expiration Date: 09/28/2020
Contract Title: DB Solar Power Generation at Six Sites	
Contract Type: Standard	
Vendor Name: Engie Services (Formerly OpTerra)	Full Contact Name:
Doing Business As N/A (DBA):	E-Mail:
Vendor ID: 0000034812	

NTP Processing (Informational Only)

Contract Specialist: Mayra Flores

FPC Director / PPO: Don Webb

PPO Lead:

Job Order Contract (JOC) Required Fields

To activate these fields, verify a JOC Contract has been selected above.

Is a completed Job Order Cost Evaluation PDF attached and does it demonstrate the contractor's proposed fee for this project is reasonable and cost effective?:

Is contractor's complete list of employees and signed background check certification statement attached?:

Is contractor's complete list of subcontractors and signed certification statement attached?:

Is contractor's proposal attached and is it complete and accurate?:

Task Order Description

Description: Provide all labor, material and equipment for the construction of the Solar PV canopy structure, a Design Build Turnkey Project, at Henry High School per DSA approved drawings # 04-118934 dated 4/02/2020, all relevant CCDs, RFIs, SDUSD Project Specifications submitted on 3/6/2020, WPCP, Construction Schedule dated 5/18/2020 and the Construction Management Plan.

Price includes all material, equipment and labor for the installation & interconnection of a 619.2 kW DC Solar Canopy System (with an annual energy output of 1,104.8 MWh per year) and a 124.8 kW DC Solar Rooftop/Wallmount System (with an annual energy output of 164.4 MWh per year), at Henry High School a Design Build Turnkey Project.

Price also includes providing and installing all inverters, transformers, disconnects, metering equipment, distribution equipment, and balancing of systems components as needed to complete and operate the system. Work to include all labor, material and equipment to provide and install spare EV Charging conduit per plans and spare Security camera conduit per plans. Work will also include restoring to original conditions anything damaged during construction, including all: landscaping, asphalt, concrete, parking-lot striping, curbs, and masonry.

Price includes commissioning and NETA testing of the PV Systems and electrical components per SDUSD approved specification and RFP documents and 2 years of Extended Commissioning of the PV Systems per RFP documents. Deliver 2 years of Performance Guarantee (PEGU) of the PV Systems per RFP documents.

Installation to comply with Division of State Architect (DSA) approved plans, SDUSD approved

Justification: Scope and terms are in accordance with contract PS18-0281-06.

Task Order Location

Proposed Task Order 06/08/2020
Start Date:

Final Task Order Start 06/08/2020
Date:

Proposed Task Order 12/15/2020
End Date:

Final Task Order End 12/15/2020
Date:

Original Completion 12/15/2020
Date:

Project Costing Data

Business Unit: SDUSD

Peoplesoft Activity ID: (H) Construction

Project Name: Henry HS Solar
Photovoltaic

Project Costing SVCS
Resource:

Project ID: 93360075.1

Budget Journal (PS)

Budget Transfer Journal: 447661	Ledger Group:
Budget Journal: 447662	Budget Period:

 Task Details

Record has been closed.

Workflow Progress

Step Name	Assignee	Company	Status	Action	Completion Date
Creation (PM, SpPM, CM)	Nevine Gross	SDUSD	Completed	Request NTP	05/26/2020 11:50 AM
01 Contracts Specialist	Mayra Flores	SDUSD	Completed	Send to CSE	05/26/2020 01:43 PM
02 CSE	Darryl Givens	SDUSD	Completed	Send to Supervisor	05/26/2020 02:31 PM
03 Supervisor	Sydney Hawkins	SDUSD	Completed	Send to Director	05/26/2020 03:25 PM
04 Director	Don Webb	SDUSD	Completed	Send for Funding	05/27/2020 07:08 AM
05 Lead CSE	Greg McFarlane	SDUSD	Completed	Send to Budget Analyst	05/27/2020 08:35 AM
06 Budget Analyst	Linda Bravo	SDUSD	Completed	Send to Contracts Specialist	05/27/2020 04:24 PM
07 Contracts Specialist	Mayra Flores	SDUSD	Completed	Send to Contracts Supervisor	05/28/2020 01:52 PM
08 Contracts Supervisor	Graham Champion	SDUSD	Completed	Approve	05/28/2020 02:03 PM
09 CS Add Pplsoft Fields	Mayra Flores	SDUSD	Completed	Close NTP, Create Unifier PO	05/29/2020 01:43 PM

1 Item(s)

No.	Budget String	Code Name	Short Description	Amount	Fund-Resource Code Name	Line Type (for IDIQ)
001	9336-90402-00-6200-8500-0000-21400-8675	Z.FPC Construction EFFICNY	NTP 11 Henry HS	\$2,475,151.4 2	Prop Z - 90402	Base Item

Total Amount \$2,475,151.42

 Record - General Comments

1 Item(s)

Comment Date	Created By	Company
05/27/2020 08:34 AM (UTC-8)	Greg McFarlane	SDUSD
Comment Text		
Linda/Raluca: using 90402/21400 for solar projects at Henry, DePortola and Madison per our previous email discussion. Greg		

Attachments (4)

Linked Records (0)

Linked Mail (0)