

**DRAFT ENVIRONMENTAL IMPACT REPORT
GRAYSON REPOWERING PROJECT**

Appendix B Will Serve Letters
September 15, 2017

Appendix B WILL SERVE LETTERS

B.1 POTABLE WATER SERVICES



Glendale Water & Power
Water Engineering

141 North Glendale Ave., Level 4
Glendale, CA 91206-4496
Tel: (818) 548-2062 Fax: (818) 240-4754

March 15, 2017

Mr. Rostamik "Rome" Chetin
141 N. Glendale Avenue, Level 4
Glendale, CA 91206

Subject: "Will Serve" Letter for Potable Water Service to Grayson Repowering Project

Dear Mr. Chetin,

In response to your request, this letter will serve as confirmation that the City of Glendale has sufficient potable water supply to serve the proposed Grayson Repowering Project (Project) at 800 Air Way in the City of Glendale, California.

Grayson Power Plant currently uses approximately 41 Acre-feet (ACFT) per year of potable water, with most of the usage is for power generation. At the completion of the Project, recycled water will be used for power generation; therefore, potable water usage at the Grayson Power Plant will drop down to approximately one (1) ACFT per year.

If the Project design changes, this letter is void and a new "Will Serve" letter must be issued. Additionally, this letter is non-transferable.

If you have any questions or need more information, please call me at (818) 551-6906.

Sincerely yours,

A handwritten signature in blue ink, appearing to read "Gerald Tom", written over a horizontal line.

Gerald Tom, P.E.
Senior Civil Engineer

cc: Michael De Ghetto, Chief Assistant General Manager
Richard Ruyle, Water Services Administrator

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B.2 RECYCLED WATER SERVICES



Glendale Water & Power
Water Engineering

141 North Glendale Ave., Level 4
Glendale, CA 91206-4496
Tel: (818) 548-2062 Fax: (818) 240-4754

February 2, 2017

Grayson Power Plant
Att.: Rostamik "Rome" Chetin
141 N. Glendale Ave., 4th Floor
Glendale, CA 91206

Subject: "Will Serve" Letter for Recycled Water Service to Grayson Repowering Project

Dear Mr. Chetin,

In response to your request, this letter will serve as confirmation that the City of Glendale has sufficient Recycled Water (RW) supply to serve the proposed Grayson Power Plant Repowering at 800 Airway in the City of Glendale, California.

Grayson Power Plant currently uses up to 600 ACFT/year of recycled water for cooling. The City's recycled water system fronting the subject property is able to accommodate the required volume of 860 Acre-feet (ACFT) per year. During MWD's recent turf removal program, Glendale customers received rebates and removed nearly 52 acres of ornamental turf; this resulted in annual reduction of RW use of over 400 AFT/year. This surplus RW will be used to supply the additional 260 AFT of RW demand by the Grayson Repowering Project.

If the Project design changes this letter is void and a new letter must be issued. Additionally, this letter is non-transferable.

Should you have any questions or need more information, please call me at (818) 548-3906.

Sincerely yours,

A handwritten signature in blue ink that reads "Raja Takidin".

Raja Takidin, P.E.
Senior Civil Engineer

cc: Michael De Ghetto, Assistant General Manager

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B.3 POLICE SERVICES

May 18, 2017

Grayson Power Plant
Att: Stephen M. Zurn
General Manager
Glendale Water and Power
141 N. Glendale Ave., Level 4
Glendale, CA 91206

Subject: "Will Serve" Letter for Fire/Police Services for the Grayson Repowering Project

Dear Mr Zurn:

In response to your request, this letter will serve as confirmation that the City of Glendale Public Works Department has determined that there will be no significant change in service level required by our Department to serve the proposed Grayson Repowering Project, located at 800 Air Way in the City of Glendale, California.

After review of the plans for the repowering of the existing Grayson Power Plant, we have determined that the level of service required by the repowering of the Grayson Power Plant will not impact our Department and that our Department has the necessary personnel, equipment, and facilities to support the Grayson Power Plant during and after the repowering effort.

We look forward to working with the Water and Power Department to make this project a success for the City of Glendale

Should you have any questions or need more information, please call me at (818) 548-3900.

Sincerely,



Roubik Golanian
Director of Public Works

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B.4 FIRE SERVICES



CITY OF GLENDALE, CALIFORNIA
Fire Division

421 Oak Street
Glendale, California 91204-1298
(818) 548-4814 Fax (818) 547-1031
www.ci.glendale.ca.us

June 8, 2017

Grayson Power Plant
Attn: Stephen M. Zurn
General Manager
Glendale Water and Power
141 N. Glendale Ave., Level 4
Glendale, CA 91206

Subject: "Will Serve" Letter for Fire Services for the Grayson Repowering Project

Dear Mr Zurn:

In response to your request, this letter will serve as confirmation that the City of Glendale Fire Department has determined that there will be no significant change in service level required by our Department to serve the proposed Grayson Repowering Project, located at 800 Air Way in the City of Glendale, California.

After review of the plans for the repowering of the existing Grayson Power Plant, we have determined that the level of service required by the repowering of the Grayson Power Plant will not impact our Department and that our Department has the necessary personnel, equipment, and facilities to support the Grayson Power Plant during and after the repowering effort.

We look forward to working with the Water and Power Department to make this project a success for the City of Glendale

Should you have any questions or need more information, please call me at (818) 548-4814.

Sincerely,

Greg Fish
Fire Chief

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B.5 SOCALGAS SERVICES



Oliver Harris
 Account Manager
 Energy Markets
 UEG / Wholesale Markets



Monday, October 17, 2016

Camilo Ruiz
 Senior Mechanical Engineer
 City of Glendale Water & Power
 141 N. Glendale Ave
 Glendale, CA 91206

Southern California
 Gas Company
 9240 E. Firestone Blvd
 ML SCERC5
 Downey, CA 90241
 562-803-7407 office
 213-244-8222 fax

Subject: Southern California Gas Company’s (“SoCalGas[®]”) Transportation Service
 Request Response for Greyson Repowering Development

Dear Camilo:

Thank you for your 4/25/2016 request concerning gas transportation service to a new electric generation facility near 800 Air Way, Glendale, California.

SUMMARY

Subject to the execution of appropriate contracts and the applicable rules and regulations, including California Public Utility Commission (CPUC) approved rules and tariffs, Southern California Gas Company’s (SoCalGas[®]) (“Utility”) is able to provide noncore natural gas transportation service for the plant sizes and ramp rates corresponding to maximum daily equivalent fuel flow rates, at the intersection of Air Way & Flower Street with a turbine inlet pressures as summarized in Table 1. Service to more than one location will require an additional feasibility study agreement and funding.

Table 1
 Gas Transportation Study Parameters

Location	Maximum Load (MMcf/d)	0-100% Load (Minutes) ¹	Maximum per Minute (Mcf/d)	0-100% Load (Mcf)	Turbine Inlet (Psig)
800 Air Way, Glendale, CA	64	10	45	2700	650

¹ As specified in the Services Agreement dated May 10, 2016



The estimated pipeline, on-site compressor and system improvement costs shown in the summary table below are based on historic costs, the City of Glendale’s Greyson repowering’s stated inlet pressure of 650 psig, SoCalGas’ pipeline current minimum operating pressure (MinOP) of 200 psig yielding 195 psig² at SoCalGas’ meter inlet, and include the current 22% Income Tax Component of Contributions and Advances (ITCCA)³ effective January 1, 2015⁴ that is applicable for SoCalGas provided compression. Compression procured independently of SoCalGas wouldn’t have the 22% ITCCA cost.

Table 2
Estimated Compression Service Costs

Minimum MSA Inlet Pressure (PSIG)	Estimated Onsite Compression Required (HP)	Estimated Compression Cost ⁵ (Millions)
195	4,800	\$20.5

SERVICE PRESSURE

The attached charts and graphs illustrate estimated pressures at the meter set assembly based on recent historical pressures for the existing interconnecting pipeline and pressure losses between the service lateral origin and terminus. This historic pressure data does not imply a future operational guarantee and SoCalGas[®] is not liable for any use of these figures. Service pressure is provided on an as available basis, with no pressure level guarantees or warranties of any kind.

ADDITIONAL LIMITATIONS

The availability of natural gas service, as set forth in this letter, is based on current conditions of supply, demand, pressures and regulatory policies, is subject to change, and is not a guarantee of future operations.

This service offering has a sunset date of the earlier of six (6) months from the date of this letter or a change in the assumptions.

As described above and further below, this preliminary cost estimate does not include, among other things, the cost of a tap and an appropriate meter set:

² Pressure at meter inlet is based on minimum operating pressure and any losses through the meter

³ <http://www.socalgas.com/regulatory/tariffs/tm2/pdf/PS-IV.pdf>

⁴ <http://www.socalgas.com/regulatory/tariffs/tm2/pdf/4735.pdf>

⁵ Onsite compression costs are estimated per horsepower installed, including units, valves and basic controls, but not advance controls for multiple modes of operation.



This preliminary cost estimate is for the construction cost of the facilities and is provided at your request. SoCalGas[®] has not performed a detailed specific site or route evaluation for your project in the development of this estimate. Additionally, costs associated with permitting, paving, right-of-way, environmental, gas quality, measurement, regulatory, and land acquisition/development issues; and any unusual construction costs or facility requirements (e.g. freeway, river, or channel crossings) are explicitly excluded from this preliminary cost estimate. These costs are the developer's responsibility and can be significant.

SoCalGas[®] construction costs also continue to rise with increasing costs of labor and materials. Since this preliminary cost estimate is developed using average historical project cost data, it is highly likely that the actual construction costs for your particular project could vary significantly from this preliminary estimate based on the actual design, permitting and construction variables associated with this specific project. SoCalGas[®] urges you to retain the services of a third-party engineering construction firm, or enter into a design and engineering contract with SoCalGas[®] to develop a more accurate construction cost estimate for your specific project. SoCalGas[®] does not recommend any use of this preliminary cost estimate. Any use by you is at your own risk and should factor in the above risks and limitations.

Assuming normal planning and construction, SoCalGas[®] would require approximately eighteen (18) to twenty-four (24) months from the completion of contracts and the receipt of the requested deposit in order to complete the planning, design and construction of any service facilities needed for your project including, but not limited to, any meter set changes that are excluded from this study that might be identified as being required in subsequent studies.

For an additional fee, SoCalGas[®] can prepare a more detailed engineering construction estimate that will include costs that have been omitted from this preliminary estimate.

If you have any questions or if more information is needed, please contact me at (562) 803-7407.

Thank you for your consideration.

Sincerely,

A handwritten signature in blue ink that reads "Oliver Harris".

Oliver Harris
Account Manager
SoCalGas

Attachments: (3)

Figure 1 – Pressure Histogram

Figure 2 – Estimated Pressure Level Hourly Frequency

Figure 3 - Daily Minimum and Maximum Pressure Estimate