

**BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA**



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In The Matter of the Application of SAN DIEGO GAS
& ELECTRIC COMPANY (U 902 E) for a Certificate of
Public Convenience and Necessity for the South Orange
County Reliability Enhancement Project

Application 12-05-205020

**APPLICATION OF SAN DIEGO GAS & ELECTRIC COMPANY (U 902 E)
FOR A CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY FOR
THE SOUTH ORANGE COUNTY RELIABILITY ENHANCEMENT PROJECT**

(VOLUME I OF II)

PUBLIC VERSION

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I. INTRODUCTION

Pursuant to Sections 1001, 1002, 1003.5 and 1004 *et seq.* of the California Public Utilities Code (P.U. Code); the California Environmental Quality Act (CEQA) of 1970, as amended (California Public Resources Code (PRC) Section 21000 *et seq.*); the CEQA Guidelines as set forth in Title 14 of the California Code of Regulations (CCR), Sections 15000, *et seq.*; General Order (GO) 131-D, and Rules 2.1, 2.2, 2.3, 2.4, 2.5 and 3.1, *et al.* of the California Public Utilities Commission (Commission) Rules of Practice and Procedures (Rules), San Diego Gas & Electric Company (SDG&E) files this Application (Application) for a Certificate of Public Convenience and Necessity (CPCN) for the South Orange County Reliability Enhancement Project (Proposed Project). As set forth below and in the accompanying Proponent's Environmental Assessment (PEA), which is Volume II of this Application, the Proposed Project is needed to improve reliability, replace aged equipment, and accommodate future customer load growth in the South

Orange County service area. SDG&E's South Orange County service area is located at the northern end of SDG&E's service territory and has more than 129,000 electric customers. This service area represents approximately 10% of SDG&E's total customer load of approximately 5000 megawatts (MW).

The anticipated in-service date for the Proposed Project is November 2017. A copy of SDG&E's proposed construction schedule is attached to this Application as Appendix A. For a more detailed discussion of the construction schedule for the Proposed Project, see PEA, Appendix 3-D, Volume II of this Application.

A complete project description is also included in the PEA Chapter *3.0 Project Description*. The PEA will be referenced in this Application pursuant to GO 131-D, Section IX.B.1.e.¹

II. SUMMARY OF REQUEST

SDG&E submits this Application requesting that the Commission, upon completion of its review of this Application, issue and certify an appropriate environmental document and issue an expedited *ex parte* decision granting SDG&E a CPCN authorizing SDG&E to construct the Proposed Project set forth in this Application, PEA and the accompanying documents within the proposed timelines set forth in Section IV.A.4.d of this Application.

III. PROJECT BACKGROUND

A. Purpose

The purpose of the Proposed Project is to provide increased electric network reliability and reduce the risk of a potential system-wide outage affecting all of SDG&E's

¹ Other required information for a CPCN application under the Commission's Rules of Practice and Procedure is contained in this Application or its appendices.

customers and substations in the South Orange County area. SDG&E is proposing to rebuild and upgrade the existing aged 138/12kV Capistrano Substation with a new 230/138/12kV substation and replace an existing 138kV transmission line (TL13835) with a new 230kV double-circuit extension between SDG&E's Capistrano and Talega Substations. By adding the new 230kV double-circuit extension, the Proposed Project will bring a new 230kV transmission source into South Orange County for increased capacity and reliability. For a more detailed discussion of the purpose for the Proposed Project, see PEA Chapter 2.0 *Proposed Project Purpose and Need*.

B. Need

The Proposed Project is needed to comply with mandatory North American Electric Reliability Corporation (NERC), Western Electric Coordinating Council (WECC) and California Independent Systems Operator (CAISO) standards. SDG&E has identified several areas of concern that must be resolved in order to meet SDG&E's obligation to serve and to maintain reliable customer service in the South Orange County service area. Resolving those areas of concern is the overall purpose and need of the Proposed Project, which will achieve the following objectives:

1. Provide transmission system reliability:
 - a. Reduce the risk of an uncontrolled outage of all South Orange County load.
 - b. Reduce the risk of a controlled interruption of a portion of the South Orange County load.
 - c. Comply with mandatory NERC, WECC and CAISO transmission planning and operations standards.
2. Rebuild Capistrano Substation to replace aging equipment and increase capacity.
3. Improve transmission and distribution operating flexibility.

4. Accommodate customer load growth in the South Orange County area.
5. Locate proposed facilities within existing transmission corridors, SDG&E rights of way and utility owned property.

For a more detailed discussion of the need for the Proposed Project, see PEA Chapter 2.0 *Proposed Project Purpose and Need*. Each of the Proposed Project components is more thoroughly described below.

C. Description

The Proposed Project is broken into the following primary components:

1. Within SDG&E's existing property, build a new 230kV partially enclosed gas insulated substation at the existing 138/12kV Capistrano Substation site;
2. Within SDG&E's existing property, relocate, rebuild and expand the existing 138kV facility with a new partially enclosed gas insulated substation;
3. Relocate, rebuild and expand existing 12kV facilities within SDG&E's existing Capistrano Substation property;
4. Replace an existing 138kV transmission line (TL13835) with a new 230kV double-circuit extension between SDG&E's Capistrano and Talega Substations, described as follows:
 - Within SDG&E's existing ROW build approximately 7.5 miles of new overhead double-circuit 230kV transmission lines;
 - Acquire new ROW for approximately 0.25 mile of new overhead 230kV transmission line adjacent to SDG&E's Talega Substation;
 - Within SDG&E's existing Vista Montana street easement position, replace 0.36 mile of existing 138kV underground transmission system with one new 230kV underground transmission line; and
 - Install 0.36 mile in franchise position within Vista Montana Street one 230kV underground transmission line.
5. Realign existing 69kV and 138kV transmission lines near the Talega Substation;
6. Relocate the three existing 138kV transmission lines from the Capistrano Substation into the new San Juan Capistrano Substation. Loop-in the two 138kV transmission lines that currently bypass the existing substation into the new San

Juan Capistrano Substation. Underground all of the westbound 138kV transmission line getaways;

7. Install approximately 81 new steel transmission line poles (49 230kV poles, 23 138kV poles, and 9 69kV poles);
8. Remove approximately 86 wood structures/poles, 12 steel poles, and 5 steel lattice towers;
9. Reconfigure the Talega Substation to accommodate the new TL13835 connection; and
10. Undertake other activities required to implement the Proposed Project, including upgrading the communications, controls and relays for corresponding facilities, as required.

For a more detailed discussion of the components for the Proposed Project, see PEA Chapter 3.0 *Project Description*.

IV. PUBLIC UTILITIES CODE SECTION 1002

P.U. Code Section 1002(a) provides that “[t]he Commission, as a basis for granting any certificate pursuant to section 1001 shall give consideration to the following factors:

1. Community values
2. Recreational and park areas
3. Historical and aesthetic value
4. Influence on the environment . . .”²

The Proposed Project has been designed in consideration of community values, recreational and park areas, historical and aesthetic value, and influence on the environment. SDG&E addresses each of these factors below.

² Public Utilities Code Section 1002(a).

A. Community Values

The Proposed Project will result in substantial electric service and reliability benefits. These benefits include increased electric network reliability and reduction of risk of a potential system-wide outage affecting all of SDG&E's customers and substations in the South Orange County area. The Proposed Project will enhance electric service reliability, replace aged equipment, and accommodate future customer load growth in the South Orange County service area. These electric service benefits, which are explained more fully in Chapter 2 of the PEA, will directly benefit communities within SDG&E's South Orange County service territory.

In addition to the substantial electric service benefits, the Proposed Project will increase fire safety within fire-prone areas. Although not a fundamental objective of the Proposed Project, this benefit will be achieved by replacing wood structures with steel structures that can withstand 85 mile per hour winds, increasing conductor spacing to maximize line clearances, and limited undergrounding. The Proposed Project will also reduce the number of overhead electric facilities within specific locations along the Proposed Project.

SDG&E has designed the Project to provide these benefits by replacing existing facilities located within existing rights-of-way and utility-owned property to the extent feasible. With the exception of approximately 1,200 linear feet of power line facilities, all of the proposed new facilities are located within existing SDG&E ROW and substation properties, thereby minimizing impacts on the community. SDG&E has rejected alternatives that would require taking existing homes or businesses or that would

require construction that is not within or immediately adjacent to the existing utility corridor.

To assure consideration of community values in this proceeding, SDG&E has implemented an extensive public outreach and community participation program with respect to the Proposed Project. This public outreach and community participation program had been designed to ensure that the community and larger public have access to accurate information about the Proposed Project and have opportunities to provide constructive input and comment on the Proposed Project. These efforts, which are more fully described in Chapter 1 of the PEA, have included numerous briefings and presentations with community stakeholders, door-to-door outreach, and multiple open houses. SDG&E's outreach and community participation efforts are on-going and will continue during the CPUC's review of the CPCN.

SDG&E's outreach efforts have generated considerable interest in the Proposed Project, including regional and community support for the Proposed Project as well as concerns that the Proposed Project will result in potential environmental impacts. SDG&E will continue to work with the community to address any concerns and, consistent with CEQA, the Proposed Project will mitigate all of the potential environmental impacts to the extent feasible. SDG&E has developed project-specific Applicant Proposed Measures (APMs) to minimize impacts on the community. In addition, SDG&E has proposed to phase construction activities to minimize impacts and disruption to the community.

B. Recreational and Park Areas

The Proposed Project will take place almost entirely within the footprint of

existing facilities and will not introduce electric facilities uses where none currently exist. Recreational and park areas within the Proposed Project site already include extensive overhead electric transmission and distribution facilities. These existing facilities will be replaced with new facilities. In addition, the Project will not increase or otherwise affect the use of the recreational/park areas. Although the Proposed Project could result in minor temporary impacts within recreational and park areas during construction, the Proposed Project will not result in any material permanent impact on recreational or park areas. Chapters 4.12 and 4.13 of the PEA, Volume II of this Application, concludes that the Proposed Project will not result in any significant adverse impacts to recreational or park areas.

Through El Camino Real Park, a 3.75-acre private community park located to the west of the proposed San Juan Capistrano Substation, and adjacent to a private community park/recreational area at the far western end of the Proposed Project, SDG&E proposes to underground the Project transmission facilities to minimize impacts. Impacts to other recreation and park areas, including golf courses and horse trails, will be temporary and intermittent.

C. Historical and Aesthetic Values

SDG&E has fully considered the Proposed Project's potential impacts on historical and aesthetic values.

Historical Values

As discussed in Section 4.5 of the PEA, the Proposed Project will not impact historical resources. The PEA identifies two historical resources (railroad sites) located within the Proposed Project site. Neither of these sites will be impacted by the Proposed

Project. The electric transmission lines that currently span these sites will be replaced with new underground transmission lines, which will traverse these sites. In addition, the PEA confirms that there will be no significant impacts to archaeological resources, paleontological resources, or human remains.

In response to concerns that a former utility structure located at the Capistrano Substation may be historically significant and/or located in a historic district, SDG&E assessed the potential historical significance and location of the structure. As discussed in the PEA, SDG&E has not found any evidence to support the conclusion that the former utility structure is historically significant or located within a historic district.

Nonetheless, the structure is listed by the City of San Juan Capistrano as a “Building of Distinction,” which is an honorary designation, and some community members have expressed concerns about demolishing the structure to make way for construction of the new substation. Because of these concerns, SDG&E has voluntarily incorporated the same protections that would apply to the structure if it were historically significant under the cultural resource protections of City of San Juan Capistrano. These measures include advertising the availability of the structure for relocation, preparing a photographic record of the structure, and allowing any local historic interest group or organization to remove any architectural elements of the former utility structure prior to demolition.

Aesthetic Values

SDG&E has designed the Proposed Project to be located almost entirely within an existing electric transmission corridor and substation sites. Consequently, the potential aesthetics impacts of the Proposed Project are incremental. Moreover, an approximately

8 mile segment of the transmission line is located immediately adjacent to other existing electric transmission line facilities including lattice towers, with approximately 4.4 miles of these adjacent transmission line facilities being owned and operated by Southern California Edison (SCE). The Proposed Project has been located within the appropriate environmental setting – within and immediately adjacent to existing electric transmission and substation facilities – to ensure that local and regional aesthetic values are preserved.

Section 4.1 of the PEA confirms that the Proposed Project will have no significant adverse environmental impacts on aesthetics. Specifically, the PEA confirms that the Proposed Project will not substantially impact scenic vistas, damage scenic resources within a scenic highway, or substantially degrade the existing visual character or quality of the Proposed Project area. Section 4.1 of the PEA also discusses the design features and identified APMs that will ensure that the Proposed Project will not result in any significant impacts on visual resources, particularly during construction and at the San Juan Capistrano Substation site, which has generated public interest.

Within the approximately 8-mile transmission line corridor, the Proposed Project will reduce the overall number of overhead structures by approximately 22 transmission structures. In addition, all of the proposed poles are monopole structures, which are generally less visible than the existing two- and three-pole structures that are being removed. Although the replacement structures are taller than the existing structures, the proposed new poles would be comparable to the height of existing nearby transmission structures that parallel much of the Proposed Project alignment.

Near an approved residential subdivision south of Vista Montana in the City of San Clemente, SDG&E proposes to underground the transmission line facilities so that

the Proposed Project will not result in overhead facilities that the developer previously paid to place below ground.

The City of San Juan Capistrano and other interested parties have expressed concerns that the Proposed Project could result in aesthetics impacts, particularly at the proposed San Juan Capistrano Substation. The City has established an “Aesthetics Mitigation Team” to address these concerns. SDG&E will continue to meet and confer with the City, as well as other stakeholders and interested parties, to address these concerns.

In April 2012, SDG&E hosted a design charrette to identify an architectural design theme for the San Juan Capistrano Substation wall. Attendees included substation neighbors, members of the City Architectural Design Review Committee, City of San Juan Capistrano officials, and other interested residents. Input received during the design charrette is being incorporated into the architectural style for the substation wall. Subsequent meetings will be held throughout the CPCN approval process to further refine the design of the wall.

D. Influence on Environment

SDG&E proposes to replace and expand existing facilities located almost entirely within an existing electric transmission corridor, utility rights-of-way and substation sites. The Proposed Project location and alignment minimizes the potential environmental impacts of the Proposed Project.

Moreover, SDG&E proposes to construct, operate and maintain the Proposed Project consistent with its robust environmental compliance program. SDG&E’s standard practices and protocols include comprehensive protections for biological

resources (through compliance with SDG&E's Natural Community Conservation Plan (NCCP)), water quality (through implementation of SDG&E's Water Quality Construction Best Management Practices Manual), fire prevention and fire safety standards (through adherence to SDG&E's Electric Standard Practice), and other environmental procedures and protocols identified in the PEA.

As described in the PEA, the Proposed Project will not result in any long-term significant environmental impacts. Although the Proposed Project would result in significant short-term traffic and air quality impacts, SDG&E has incorporated APMs to minimize these impacts to the extent feasible.

V. STATUTORY AND PROCEDURAL REQUIREMENTS

GO 131-D, Section IX.A. requires an applicant for a CPCN to comply with the Commission's Rules of Practice and Procedure, Rule 2. Pursuant to this requirement, SDG&E responds as follows:³

A. Rule 2.1(a) – (c)

In accordance with Rule 2.1(a) – (c) of the Commission's Rules of Practice and Procedure, SDG&E provides the following information.

1. Statutory Authority

This Application is made pursuant to P.U. Code 1001 *et seq.*, the CEQA, GO 131-D, the Commission's Rules of Practice and Procedure, and prior decisions, orders and resolutions of this Commission.

2. Rule 2.1(a) - Legal Name and Address

³ Although not specifically discussed herein, SDG&E's Application also complies as necessary to Rule 1.5 ("Form and Size of Tendered Documents"), Rule 1.13 ("Tendering and Review of Document for Filing"), Rule 7.1 ("Categorization, Need for Hearing"), Rule 8.1 ("Definitions"), Rule 8.3 ("Ex Parte Requirements"), Rule 13.3 ("Assigned Commissioner Presence"), and Rule 13.13 ("Oral Argument before Commission").

The applicant is San Diego Gas & Electric Company, a corporation organized and existing under the laws of the State of California, and an investor-owned public utility as defined by Section 216 (a) and 218 (a), respectively, of the California Public Utilities Code, and engaged in the business of purchasing, generating, transmitting, distributing, and selling electric and gas energy to approximately 3.4 million consumers through 1.4 million electric meters and more than 840,000 natural gas meters throughout San Diego County and in a portion of South Orange County, California. The activities of SDG&E are regulated by this Commission and by the Federal Energy Regulatory Commission. SDG&E is a wholly-owned, indirect subsidiary of Sempra Energy, whose shares are publicly traded. SDG&E's principal place of business is 8330 Century Park Court, San Diego, California 92123.

3. Rule 2.1(b) - Correspondence

Correspondence or communications regarding this Application should be addressed to:

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4. Rule 2.1(c)

a. Proposed Category of Proceeding

In accordance with Rule 7.1, SDG&E requests that this Application be categorized as a “ratesetting” proceeding within the meaning of Rule 1.3(e) because the costs for the new substation project will be recovered by SDG&E through its retail rates, and because this Application neither raises questions of policy or rules of general applicability, nor adjudicates any allegations of violations of law. In addition, because this Application raises ancillary issues that do not fall clearly into a single category, Rule 7.1(e)(2) requires that it be categorized as a ratesetting proceeding.

b. Need for Hearings

SDG&E does not believe that approval of this Application will require hearings. SDG&E has provided ample information, analysis and documentation that provide the Commission with a sufficient record upon which to grant the relief requested on an *ex parte* basis. An *ex parte* grant of the authorization sought herein at the earliest achievable date will permit SDG&E to proceed with the project in accordance with a 12 month timeline as provided for in G.O. 131-D, Section IX.A. If the Commission finds that hearings are necessary, SDG&E respectfully requests that that such hearings be concluded as soon as practicable.

c. Issues to be Considered

The issues to be considered are described in this Application, PEA and the accompanying documents. Based on the PEA, SDG&E believes the Proposed Project will not have any long-term significant adverse impact on the environment. Therefore, SDG&E requests that the Commission issue a decision within the time limits prescribed

by Cal. Gov. Code § 65920 *et seq.* (Permit Streamlining Act) as provided for in G.O. 131-D, Section IX, Subsection A.2.

d. Proposed Schedule

This proceeding involves the Commission's: (1) environmental review of the Proposed Project in compliance with the CEQA (Public Resources Code Section 21100 *et seq.*) and GO 131-D; and (2) issuance of a CPCN authorizing SDG&E to construct the Proposed Project. In this regard, SDG&E proposes the following schedule:

<u>ACTION</u>	<u>DATE</u>
Application filed	May 18, 2012
Provide Notice of Filing of Application by direct mail, advertisement and on-site posting	May 28, 2012 (Within 10 days after filing)
File a Declaration of Mailing and Posting	June 4, 2012 (Within 5 days of completion)
Application Completeness Determination	June 18, 2012 (30 days after Application filed)
End of Protest Period	July 1, 2012 (30 days after notice)
Draft CEQA Document Issued for Public Comment	December 2012
Close of Public Comment Period	February 2013 (45 days after notice of availability)
Draft Decision Issued	March 2013
<i>Ex Parte</i> Decision Issued. Final CEQA Document Certified.	May 2013

B. Rule 2.2 – Articles of Incorporation

A copy of SDG&E's Restated Articles of Incorporation as last amended, presently in effect and certified by the California Secretary of State, was filed with the Commission on August 31, 2009 in connection with SDG&E's Application No. 09-08-019, and is incorporated herein by reference.

C. Rule 2.3 – Financial Statement

SDG&E's financial statement, balance sheet and income statement are included with this Application as Appendix I.

D. Rule 2.4 - CEQA Compliance

GO 131-D, Section IX.A.1.h. requires an applicant for a CPCN to include in its Application "[a] PEA or equivalent information on the environmental impact of the project in accordance with the provisions of CEQA and this Commission's Rules of Practice and Procedure". SDG&E has prepared a PEA describing in detail the environmental setting and the potential impacts associated with the construction and operation of the Proposed Project. SDG&E is submitting the PEA simultaneously with this Application as Volume II.

E. Rule 2.5 – Fees for Recovery of Cost in Preparing EIR

SDG&E is submitting a deposit under separate cover to be applied to the cost the Commission incurs to prepare a negative declaration or an environmental impact report for the Proposed Project.

F. Rule 3.1(a) – (i) – Construction or Extension of Facilities

Rule 2.1(d) requires all applications to comply with "[s]uch additional information as may be required by the Commission in a particular proceeding."

Commission Rule 3.1 contains some additional requirements for applications under P.U. Code Section 1001 to construct or extend facilities. Some of the requirements of Rule 3.1 are duplicative of the requirements of GO 131-D, which are more precisely identified and discussed in Section VI *infra*. In accordance with Rule 3.1(a) – (i) of the Commission’s Rules of Practice and Procedure, SDG&E provides the following information.

1. Rule 3.1(a) – Description of the Proposed Project

Commission Rule 3.1(a) requires applicants for a CPCN to include in their applications “A full description of the proposed construction or extension, and the manner in which the same will be constructed.”

Please refer to SDG&E’s response in Section III-C *supra* of this Application. For a more detailed description of the Proposed Project, see PEA Chapter 3.0 *Project Description*.

2. Rule 3.1(b) – Competing Utilities

Commission Rule 3.1(b) requires applicants for a CPCN to include in their applications “The names and addresses of all utilities, corporations, persons or other entities, whether publicly or privately operated, with which the proposed construction is likely to compete, and of the cities or counties within which service will be rendered in the exercise of the requested certificate.”

The Proposed Project will be built entirely within the service territory of SDG&E, and is not intended to compete with the projects of any other entity. The requested certification is to enhance electric service within SDG&E’s service territory (which consists of San Diego County and a portion of South Orange County, including but not

necessarily limited to, the Cities of Aliso Viejo, Carlsbad, Chula Vista, Coronado, Dana Point, Del Mar, El Cajon, Encinitas, Escondido, Imperial Beach, Laguna Beach, Laguna Hills, Laguna Niguel, La Mesa, Lemon Grove, Mission Viejo, National City, Oceanside, Poway, San Clemente, San Diego, San Juan Capistrano, San Marcos, Santee, Solana Beach and Vista) and in the area served by the CAISO.

3. Rule 3.1(c) – Project Maps

Commission Rule 3.1(c) requires an applicant for a CPCN to include in its application “A map of suitable scale showing the location or route of the proposed construction or extension, and its relation to other public utilities, corporations, persons, or entities with which the same is likely to compete.”

As stated in the previous response, the Proposed Project is not intended to compete with the projects of any other entity. Maps showing the locations under consideration for the project are included in the PEA, Chapters 1.0 and 3.0 Volume II of this Application.

4. Rule 3.1(d) – Required Permits

Commission Rule 3.1(d) requires an applicant for a CPCN to include in its application “A statement identifying the franchises and such health and safety permits as the appropriate public authorities have required or may require for the proposed construction or extension.”

A list of the franchises and anticipated health and safety permits required for the Proposed Project is found in the PEA, Chapter 3.0, Volume II of this Application.

5. Rule 3.1(e) – Public Convenience and Necessity

Commission Rule 3.1(e) requires an applicant for a CPCN to include in its

application “Facts showing that public convenience and necessity require, or will require, the proposed construction or extension, and its operation.”

Please refer to SDG&E’s response in Sections III-A and III-B *supra* of this Application. For a more detailed discussion of the public convenience and necessity for the Proposed Project, see PEA Chapter 2.0 *Proposed Project Purpose and Need*.

6. Rule 3.1(f) – Estimated Cost

Commission Rule 3.1(f) requires an applicant for a CPCN to include in its application “A statement detailing the estimated cost of the proposed construction or extension and the estimated annual costs, both fixed and operating associated therewith.”

SDG&E provides the estimated cost for the Proposed Project in the PEA, Chapter 3.0, Volume II of this Application, at Section 3.4, Table 3-1, page 3-17.

7. Rule 3.1(g) – Financial Ability

Commission Rule 3.1(g) requires an applicant for a CPCN to include in its application “Statements or exhibits showing the financial ability of the applicant to render the proposed service together with information regarding the manner in which applicant proposes to finance the cost of the proposed construction or extension.”

SDG&E plans to own 100 percent of the assets that will comprise the Project and those assets will be added to SDG&E’s utility rate base. At present, SDG&E intends to finance the Project cost with the same proportions of debt and equity with which all other rate base assets are financed, in keeping with the capital structure approved by the Commission for SDG&E. Financing would be in the form of retained earnings, available cash and debt, as necessary. SDG&E’s ability to fund the Proposed Project is

demonstrated through its financial statement, which is included with this Application as part of Appendix I.

8. Rule 3.1(h) – Proposed Rates

Commission Rule 3.1(h) requires an application for a CPCN to include “A statement of the proposed rates to be charged for service to be rendered by means of such construction or extension.”

SDG&E’s retail rates are found in its currently-effective tariffs approved by this Commission. SDG&E’s transmission rates are formula rates subject to annual adjustment, as approved by the Federal Energy Regulatory Commission (FERC). SDG&E is not proposing to increase rates as a result of this Project.

The costs associated with the Proposed Project are predominantly for transmission-related services. When the project is placed in service, SDG&E will seek to recover the costs through the CAISO’s FERC-jurisdictional rates. This would occur as part of a FERC rate case covering the test period in which the project will become operative. Costs not approved by FERC for recovery in general transmission rates may be recovered through CPUC-jurisdictional retail rates.

SDG&E submits this Application for a CPCN with the condition that there must be a clear cost recovery mechanism before SDG&E commences construction. This filing is contingent upon a Commission order in this proceeding, which explicitly establishes that, pursuant to Pub. Util. Code Section 399.2.5, SDG&E can recover through CPUC-jurisdictional rates all reasonable costs associated with the Proposed Project prudently

incurred by SDG&E that the FERC does not allow SDG&E to recover in general transmission rates.⁴

9. Rule 3.1(i) – Proxy Statement

Commission Rule 3.1(i) requires an applicant for a CPCN to include in its application “a copy of the latest proxy statement sent to stockholders by it or its parent company containing the information required by the rules of the SEC if not previously filed with the Commission.”

A copy of SDG&E’s most recent proxy statement, dated April 27, 2012, was mailed to the Commission on May 02, 2012, and is incorporated herein by reference.

VI. INFORMATION REQUIRED BY GENERAL ORDER 131-D

GO 131-D, Sections IX., X. and XI., adopted by the Commission in D.94-06-014 as modified by D.95-08-038, requires an applicant for a CPCN to include in its application a variety of information. This information follows in the order in which it is listed in GO 131-D.

A. Section IX.A.

In accordance with Section IX.A.1.(a) – (h) of the Commission’s GO 131-D, SDG&E provides the following information.

1. Section IX.A.1.a. - Description of the Proposed Project facilities

Please refer to SDG&E’s response in Section III-C *supra* of this Application. For a more detailed description of the Proposed Project, see PEA Chapter 3.0 *Project Description*.

⁴ Specifically, SDG&E’s Transmission Revenue Requirement (TRR) and CAISO’s Transmission Access Charge (TAC).

2. Section IX.A.1.b. - Map of Proposed Project location

A copy of SDG&E's Map of the proposed routing is attached to this Application as Appendix F. For a more detailed description of the Proposed Project location, see PEA, Chapter 3.0, Volume II of this Application.

3. Section IX.A.1.c. – Facts Showing Public Convenience and Necessity

Please refer to SDG&E's response in Sections III-A and III-B *supra* of this Application. For a more detailed discussion of the public convenience and necessity for the Proposed Project, see PEA Chapter 2.0 *Proposed Project Purpose and Need*.

4. Section IX.A.1.d. – Estimated Costs of the Proposed Project facilities

See PEA, Chapter 3.0, Volume II of this Application, at Section 3.4, Table 3-1, page 3-17.

5. Section IX.A.1.e. - Reasons for Adoption of the Power Line Route or Substation Locations Selected

See PEA, Chapter 2.0, Volume II of this Application.

6. Section IX.A.1.f. – Proposed Schedule for Right-of-Way Acquisition

A copy of SDG&E's proposed schedule for right-of-way acquisition is attached to this Application as Appendix G.

7. Section IX.A.1.g. - Listing of Governmental Agencies Consulted and Statements of Position

See PEA, Chapter 1.0 and Appendix 1-A, Volume II of this Application.

8. Section IX.A.1.h. – Proponent's Environmental Assessment

The California Public Utilities Commission has adopted this "Information and Criteria List" in order to determine whether applications for projects are complete. This

list specifies the information required from any applicant for a project subject to the California Environmental Quality Act (CEQA), Cal. Pub. Res. Code Secs. 21000 through 21176, or for a development project subject to Cal. Gov. Code Secs. 65920 through 65957.

The PEA attached to this Application as Volume II includes the information described in Section IX.A.1.(a) – (h) of the Commission’s GO 131-D, as described above, and concludes that the Proposed Project will have no significant unmitigable impact on the environment.

B. Section X.A.

GO 131-D, Section X.A. requires an applicant for a CPCN to “describe the measures taken or proposed by the utility to reduce the potential exposure to electric and magnetic fields generated by the proposed facilities, in compliance with Commission order.”

A copy of SDG&E’s Magnetic Field Management Plan is attached to this Application as Appendix H. See also, PEA, Appendix 3-E, Volume II of this Application.

C. Section XI.A.

GO 131-D, Section XI.A. requires an applicant for a CPCN to notify the public of its filing “within ten days of filing the application” in several different ways, by direct mail, by advertisement and by posting.

A copy of SDG&E’s Draft Notice of Application is attached to this Application as Appendix B. See also, SDG&E’s Service List and Public Review Locations for Notice of Application, attached to this Application as Appendix C, the List of Newspaper(s)

Publishing the Notice of Application, attached to this Application as Appendix D, and Draft Declaration of Posting of Notice, attached to this Application as Appendix E.

VII. LIST OF APPENDICES AND ATTACHMENTS

- Appendix A Proposed Construction Schedule
- Appendix B Draft Notice of Application
- Appendix C Service List and Public Review Locations for Notice of Application
- Appendix D List of Newspaper(s) Publishing the Notice of Application
- Appendix E Draft Declaration of Posting of Notice
- Appendix F Map of Proposed Project Location
- Appendix G Proposed Schedule for Right-of-Way
- Appendix H Magnetic Field Management Plan
- Appendix I Financial Statements
- Volume II Proponent's Environmental Assessment

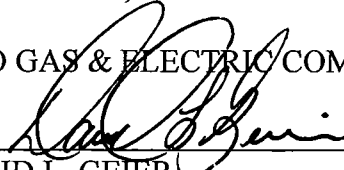
VIII. CONCLUSION

Wherefore, SDG&E requests that the Commission (1) accept its application as complete; (2) prepare an Environmental Impact Report regarding the potential environmental impacts of the Proposed Project; and (3) issue an expedited *ex parte* decision granting SDG&E a Certification of Public Convenience and Necessity for the South Orange County Reliability Enhancement Project, as described in this Application and the supporting documents.

DATED this 18th day of May 2012 at San Diego, California.

Respectfully submitted,

SAN DIEGO GAS & ELECTRIC COMPANY

By: 
DAVID L. GEIER
Vice President, Electric Operations

SAN DIEGO GAS & ELECTRIC COMPANY

By: /s/ Allen K. Trial
ALLEN K. TRIAL

ALLEN K. TRIAL
Attorney for:

SAN DIEGO GAS & ELECTRIC COMPANY

101 Ash Street, HQ12B

San Diego, CA 92112

Tel: (619) 699-5162

Fax: (619) 699-5027

E-Mail: Atrial@semprautilities.com

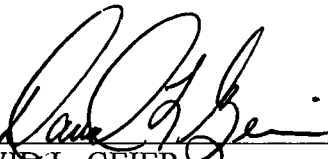
IX. VERIFICATION

David L. Geier declares the following:

I am an officer of San Diego Gas & Electric Company and am authorized to make this Verification on its behalf. I am informed and believe that the matters stated in the foregoing **APPLICATION OF SAN DIEGO GAS & ELECTRIC COMPANY (U 902 E) FOR A CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY FOR THE SOUTH ORANGE COUNTY RELIABILITY ENHANCEMENT PROJECT** are true to my own knowledge, except as to matters which are therein stated on information and belief, and as to those matters I believe them to be true.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Executed this 18th day of May 2012, at San Diego, California.



DAVID L. GEIER
Vice President, Electric Operations

SAN DIEGO GAS & ELECTRIC COMPANY

APPENDIX A
Proposed Construction Schedule

South Orange County Reliability Enhancement Project

PROPOSED CONSTRUCTION SCHEDULE

Proposed Project Segment/Task	Months	Anticipated Start Date*
ROW Acquisition	16	April 2012
Construct 138kV and 69kV from Talega Hub to Talega Substation (Segment 4)	8	November 2013
Below grade 138kV addition in Talega Substation	3	November 2013
Construct 138kV addition in Talega Substation	6	February 2014
Energize 138kV addition in Talega Substation	1	July 2014
Obtain San Juan Capistrano City grading permits	4	September 2013
138kV Capistrano Substation getaways (Segment 1)	5	November 2013
Reroute 2-12kV circuits to temporary position	1	November 2013
Remediate & Demo existing buildings in lower yard	2	October 2013
Lower yard site grading (Phase 1)	6	December 2013
Lower yard site development (walls, drainage, etc)	3	March 2014
Lower yard (138/12kV) below grade construction	8	June 2014
Lower yard 138/12kV substation construction	13	January 2015
Construct 12kV distribution circuits	10	June 2015
Lower yard 138/12kV testing and energizing	6	August 2015
Construct 138kV cable poles and cable into gas insulated substation	5	September 2015
Cutover existing 138/12kV substation to new 138/12kV substation	1	February 2016

Proposed Project Segment/Task	Months	Anticipated Start Date*
Construction pad and access road grading for 230kV structure sites between San Juan Capistrano and Talega substations (Segments 1 – 4)	8	September 2015
Construct structure foundations for new 230kV poles (Segments 1 – 4)	7	October 2015
De-energize TL13835 & construct underground 230kV ducts along Vista Montana (Segment 2). Re-energize TL13835	4	March 2016
Construct new 230kV overhead transmission lines (set poles and pull conductor – Segments 1 – 4)	4	March 2016
Construct temporary TL13835 at San Juan Capistrano Substation	1	March 2016
Remove equipment and foundations in upper yard	2	March 2016
Remediate and grade upper yard (Phase 2)	3	May 2016
Upper yard (230kV) substation below grade construction	6	August 2016
Upper yard (230kV) substation construction	10	December 2016
De-energize TL138xx & 13816 and construct underground 230kV ducts along Vista Montana (Segment 2). Re-energize TL138xx and 13816	7	December 2016
230kV testing and energizing at San Juan Capistrano Substation	5	June 2017
De-energize temporary TL13835 & install BK 60's 138kV line position	1	November 2017
Proposed Project In Service Date (ISD)		November 2017
Site and ROW Restoration	4	March 2018
*Dates are dependent on when all permits are obtained.		

APPENDIX B
Draft Notice of Application

**NOTICE OF APPLICATION
FOR A CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY**

South Orange County Reliability Enhancement Project

Date: May 18, 2012

CPUC Application No.: 12-05-XXX

Proposed Project:

San Diego Gas & Electric (SDG&E) proposes to rebuild and upgrade the existing 138/12kV Capistrano Substation with a 230/138/12 kilovolt (kV) substation and replace an existing 138kV transmission line (TL13835) with a new 230kV double-circuit extension between SDG&E's Capistrano and Talega Substations to increase reliability and reduce the risk of a system-wide outage affecting all of its customers and substations in the South Orange County area. The Proposed Project is intended to meet the area load growth and service reliability for approximately 129,000 customers (approximately 10% of SDG&E's total customer load) within South Orange County. By adding the new 230kV double-circuit extension, the Proposed Project will bring a new 230kV transmission source into South Orange County for increased capacity and reliability. The Proposed Project would have an anticipated in-service date of approximately 2017.

Specifically, the Proposed Project would include the following primary components:

Capistrano Substation:

Within SDG&E's existing substation property:

- Build a new 230kV partially enclosed gas insulated substation;
- Relocate, rebuild and expand the existing 138kV facility with a new partially enclosed gas insulated substation; and
- Relocate, rebuild and expand existing 12kV facilities

Talega Substation:

- Reconfigure the Talega Substation to accommodate the new TL13835 connection; and
- Undertake other activities required to implement the Proposed Project, including upgrading the communications, controls and relays for corresponding facilities as required.

Transmission:

- Relocate the three existing 138kV transmission lines from SDG&E's existing Capistrano Substation into the new San Juan Capistrano Substation. Loop-in the two 138kV transmission lines that currently bypass the existing substation into the new San Juan Capistrano Substation. Underground all of the westbound 138kV transmission line getaways;
- Replace an existing 138kV transmission line (TL13835) with a new 230kV double-circuit extension between SDG&E's Capistrano and Talega Substations, described as follows:
 - Within SDG&E's existing ROW build approximately 7.5 miles of new overhead double-circuit 230kV transmission lines;
 - Acquire new ROW for approximately 0.25 mile of new overhead 230kV transmission line adjacent to SDG&E's Talega Substation;
 - Within SDG&E's existing Vista Montana street easement position, replace 0.36 mile of existing 138kV underground transmission system with one new 230kV underground transmission line; and

- Install 0.36 mile in franchise position within Vista Montana Street one 230kV underground transmission line.
- Realign existing 69kV and 138kV transmission lines near the Talega Substation; and
- Install approximately 81 new steel transmission line poles (49 230kV poles, 23 138kV poles, and 9 69kV poles) and remove approximately 86 wood structures/poles, 12 steel poles, and 5 steel lattice towers;

Distribution:

Several 12kV electric distribution improvements located just outside of San Juan Capistrano Substation will be implemented. These include the following:

- Remove and relocate 12kV distribution lines from within SDG&E's existing Talega to Capistrano utility corridor to accommodate the new 230kV double-circuit line; and
- Relocate and underground all existing 12kV circuits to positions in the new 12kV switchgear.

Environmental Assessment: SDG&E has prepared a PEA that includes the analysis of potential environmental impacts created by the construction and operation of the proposed substation and associated facilities. The Proposed Project replaces existing electric transmission, distribution and substation facilities and is located almost entirely within existing SDG&E ROW. The existing electric transmission, distribution and substation facilities constitute the existing setting and baseline from which the potential impacts of the Proposed Project were analyzed. The PEA concludes that seven resource areas would not have environmental impacts or would experience only less than significant impacts due to the Proposed Project and eight resource areas would result in potentially significant impacts that can be reduced to a level less than significant with the incorporation of Applicant Proposed Measures (APMs) The following two significant, short-term impacts were identified for construction of the Proposed Project:

- Emissions of criteria pollutants in excess of South Coast Air Quality Management District (SCAQMD) California Environmental Quality Act (CEQA) Significance Thresholds, and
- Traffic congestion and deterioration of LOS during construction of one project segment..

No significant long term impacts were identified for construction or operations and maintenance of the Proposed Project.

Electric Magnetic Field (EMF) Management: SDG&E will employ measures to reduce public exposure to EMF in accordance with CPUC Decisions 93-11-013 and 06-01-042 and SDG&E's "EMF Design Guidelines for Transmission, Distribution, and Substation Facilities." SDG&E has filed copies of its Magnetic Field Management Plan for this Proposed Project as part of its Application.

Public Review Process: SDG&E has applied to the California Public Utilities Commission (CPUC) for a Certificate of Public Convenience and Necessity and has asked for approval without hearings. Pursuant to the CPUC's Rules of Practice and Procedure, within 30 calendar days of the date of notice that this Application appears in the CPUC calendar, you may protest and request that the CPUC hold hearings on this Application. If the CPUC, as a result of its investigation, determines that public hearings should be held, notice shall be sent to each person or entity who is entitled to notice or who has requested a hearing. Please contact the following people should you require any information regarding this project.

Allen K. Trial Attorney for SDG&E 101 Ash Street, HQ12 San Diego, CA 92101	AND	Rebecca W. Giles SDG&E Regulatory Affairs 8330 Century Park Court, CP 32D San Diego, CA 92123	Director, Energy Division California Public Utilities Commission 505 Van Ness Avenue San Francisco, CA 94102
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CPUC PROCESS

If you would like additional information on the CPUC process or would like to attend hearings (if held) and need assistance, you can contact the Public Advisor's Office (PAO). You may also send your comments to the PAO at the following address: Public Advisor's Office, 320 West 4th St., Ste. 500, Los Angeles CA 90013 or send an e-mail to: public.advisor.la@cpuc.ca.gov. Any letters received from you will be circulated to each Commissioner and will become part of the formal correspondence file in the application. In your letter, state that your comments are regarding Application No. A.12-05-XXX.

FOR FURTHER INFORMATION

You may request additional information or obtain a copy of the application and related exhibits by writing to: Rebecca W. Giles, Regulatory Case Manager for SDG&E, 8330 Century Park Court, San Diego, CA 92123. SDG&E will provide a copy of the application, including the public testimony, upon request. SDG&E's application and attachments may be inspected at the CPUC's Central Files Office, 505 Van Ness Ave., San Francisco, CA 94102. A copy of the application and any amendments may be inspected at the SDG&E business offices listed below:

644 W. Mission Ave.
Escondido, CA 92025

2604 El Camino Real, Ste. B
Carlsbad, CA 92008

426 H St.
Chula Vista, CA 91910

440 Beech Street
San Diego, CA 92101

104 N Johnson Ave.
El Cajon, CA 92020

336 Euclid Ave.
San Diego, CA 92114

2405 Plaza Blvd.
National City, CA 91950

And also at the following public locations in Orange County:

San Juan Capistrano City Hall
City of San Juan Capistrano
32400 Paseo Adelanto
San Juan Capistrano, CA. 92675

San Juan Capistrano, Ca. 92675
San Juan Capistrano Regional Library
31495 El Camino Real
San Juan Capistrano, CA 92675

San Clemente City Hall
City of San Clemente
100 Avenida Presideo
San Clemente, CA. 92672

San Clemente Library
242 Avenida Del Mar
San Clemente, CA 92672

San Juan Chamber of Commerce
31421 La Matanza Street
San Juan Capistrano, CA 92675

San Clemente Chamber of Commerce
1100 N. El Camino Real
San Clemente, CA 92672

Copies of this notice will be available for viewing and printing on the SDG&E Web site at:
<http://sdge.com/proceedings>.

APPENDIX C
Service List and Public Review Locations for Notice of Application

PUBLIC NOTICE LIST

The following is a list of parties required to be noticed under G.O. 131-D, Section XI. Land owners and other interested parties required to be noticed pursuant to G.O. 131-D, Section XI, A., are listed in the PEA, Section 1-B: Stakeholder List, and are incorporated herein by reference.

LIST OF PUBLIC AGENCIES AND OTHER INTERESTED PARTIES

The City of San Clemente
Jim Holloway
Planning Department
910 Calle Negocio, Suite 100
San Clemente, CA 92673

County of San Diego
Eric Gibson
Department of Planning and Land Use
5201 Ruffin Road, Suite B
San Diego, CA 92123

County of San Diego
Air Pollution Control District
Mr. Robert Kard, Director
10124 Old Grove Rd
San Diego, CA 92131

CA Department of Transportation
Division of Aeronautics
Gary Cathey
1120 N Street, Rm 3300
Sacramento, CA 95814

CA Department of Fish and Game
Stephanie Rihl
SDG&E NCCP Coordinator
3883 Ruffin Road
San Diego, CA 92123

CA Department of Transportation
Ms. Laurie Berman
4050 Taylor St.
San Diego, CA 92110

Army Corp of Engineers
915 Wilshire Blvd., Suite 1101
Los Angeles, CA 90017

South Coast Air Quality Management
District
Barry Wallerstein
21865 Copley Dr.
Diamond Bar, CA 91765

County of Orange
Community Development
300 N. Flower Street
Santa Ana, CA 92703

The City of San Juan Capistrano
Development Services
Grant Taylor
32400 Paseo Adelanto
San Juan Capistrano, CA 92675

California Public Utilities Commission
Andrew Barnsdale
505 Van Ness Avenue
San Francisco, CA 94102

California Natural Resources Agency
John Laird
1416 9th Street, Suite 1311
Sacramento, CA 95814

CA State Water Resources Control Board
Thomas Howard
1001 "I" Street
Sacramento, CA 95814

Federal Aviation Administration
William Withycombe
Western Pacific Division Administrator
P.O. Box 92007 WPC
Los Angeles, CA 90009

CA Air Resources Board
Mary D. Nichols
1001 "I" Street
Sacramento, CA 95814

CA Regional Water Quality Control
Board
David Gibson
9174 Sky Park Court, Suite 100
San Diego, CA 92123-4340

Camp Pendleton Marine Corps Base
Public Affairs
Box 555019
Camp Pendleton, CA 92055-5019

Camp Pendleton Marine Corps Base
Mr. Stanley W. Norquist
AC/S Environmental Security
Building 22165 Box 555008
Camp Pendleton, CA 92055-5008

County of San Diego Planning
Commission
Leon Brooks, Chair
5201 Ruffin Road, Suite B
San Diego, CA 92123

California Public Utilities Commission
Docket Office
505 Van Ness Avenue
San Francisco, CA 94102

California Energy Commission
Robert Oglesby
1516 Ninth Street, Mail Stop 39
Sacramento, CA 95814

Department of Public Health
Dr. Ron Chapman
1616 Capital Avenue
P.O. Box 9973-77
Sacramento, CA 95899-7377

CA Coastal Commission
Charles Lester
45 Fremont Street, Suite 2000
San Francisco, CA 94105

US Fish and Wildlife Service
Carlsbad Field Office
Jim Bartel
6010 Hidden Valley Rd., Suite 101
Carlsbad, CA 92011

City of San Juan Capistrano
Karen Brust
32400 PASEO ADELANTO
San Juan Capistrano, CA 92675

City of San Clemente
George Scarborough
100 Avenida Presideo
San Clemente, CA 92672

City of San Juan Capistrano
Nasser Abbaszadeh
32400 Paseo Adelanto
San Juan Capistrano, CA 92675

County of Orange
Patricia Bates
333 W. Santa Ana Blvd.
Santa Ana, CA 92701

State of California
Attorney General's Office
P.O. Box 944255
Sacramento, CA 94244-2550

Naval Facilities Engineering Command
Navy Rate Intervention
1314 Harwood Street SE
Washing Navy Yard, DC 20374

City of Carlsbad
Attn. City Attorney
1200 Carlsbad Village Drive
Carlsbad, CA 92008-19589

City of Chula Vista
Attn. City Attorney
276 Fourth Ave
Chula Vista, Ca 91910-2631

City of Dana Point
Attn. City Attorney
33282 Golden Lantern
Dana Point, CA 92629

US Army Corp of Engineers
Shanti Santulli
San Diego Field Office
6010 Hidden Valley Rd., Suite 105
Carlsbad, CA 92011

Native American Heritage
Commission
95 Capitol Mall, Rm. 364
Sacramento, CA 95814

County of Orange
Supervisor John Moorlach
Board Chairman
333 W. Santa Ana Blvd.
Santa Ana, CA 92701

County of Orange
Thomas G. Mauk
333 W. Santa Ana Blvd.
Santa Ana, CA 92701

State of California
Attn. Director Dept of General Services
PO Box 989052
West Sacramento, CA 95798-9052

Alpine County
Attn. County Clerk
99 Water Street, P.O. Box 158
Markleeville, CA 96120

City of Carlsbad
Attn. Office of the County Clerk
1200 Carlsbad Village Drive
Carlsbad, CA 92008-19589

City of Coronado
Attn. Office of the City Clerk
1825 Strand Way
Coronado, CA 92118

City of Dana Point
Attn. City Clerk
33282 Golden Lantern
Dana Point, CA 92629

City of San Juan Capistrano
Public Works Director
32400 Paseo Adelanto
San Juan Capistrano, CA 92675

City of San Clemente
William Cameron
910 Calle Negocio
San Clemente, CA 92673

Jess Carbajal
County of Orange
300 Flower Street
Executive Suite
Santa Ana, CA 92703

CA Department of Transportation
Cindy Quon
3347 Michelson Drive, Suite 100
Irvine, CA 92612

California Coastal Commission
South Coast District Office
Sherilyn Sarb & Teresa Henry
200 Oceangate, 10th Floor
Long Beach, CA 90802-4416

United States Government
General Services Administration
300 N. Los Angeles
Los Angeles, CA 90012

Borrego Springs Chamber of Commerce
Attn. City Clerk
786 Palm Canyon Dr
PO Box 420
Borrego Springs CA 92004-0420

City of Chula Vista
Attn: Office of the City Clerk
276 Fourth Avenue
Chula Vista, California 91910-2631

City of Coronado
Attn. City Attorney
1825 Strand Way
Coronado, CA 92118

City of Del Mar
Attn. City Clerk
1050 Camino Del Mar
Del Mar, CA 92014

City of El Cajon
Attn. City Clerk
200 Civic Way
El Cajon, CA 92020

City of Del Mar
Attn. City Attorney
1050 Camino Del Mar
Del Mar, CA 92014

City of Encinitas
Attn. City Attorney
505 S. Vulcan Ave.
Encinitas, CA 92024

City of Encinitas
Attn. City Clerk
505 S. Vulcan Ave.
Encinitas, CA 92024

City of El Cajon
Attn. City Attorney
200 Civic Way
El Cajon, CA 92020

City of Escondido
Attn. City Attorney
201 N. Broadway
Escondido, CA 92025

City of Fallbrook
Attn. City Clerk
233 E. Mission Road
Fallbrook, CA 92028

City of Escondido
Attn. City Clerk
201 N. Broadway
Escondido, CA 92025

City of Imperial Beach
Attn. City Clerk
825 Imperial Beach Blvd
Imperial Beach, CA 92032

City of Imperial Beach
Attn. City Attorney
825 Imperial Beach Blvd
Imperial Beach, CA 92032

City of Fallbrook
Attn. City Attorney
233 E. Mission Road
Fallbrook, CA 92028

City of Laguna Beach
Attn. City Clerk
505 Forest Ave
Laguna Beach, CA 92651

City of Laguna Beach
Attn. City Attorney
505 Forest Ave
Laguna Beach, CA 92651

Julian Chamber of Commerce
P.O. Box 1866
2129 Main Street
Julian, CA

City of Laguna Niguel
Attn. City Clerk
30111 Crown Valley Parkway
Laguna Niguel, California 92677

City of Lakeside
Attn. City Clerk
9924 Vine Street
Lakeside CA 92040

City of Laguna Niguel
Attn. City Attorney
30111 Crown Valley Parkway
Laguna Niguel, California 92677

City of La Mesa
Attn. City Clerk
8130 Allison Avenue
La Mesa, CA 91941

City of Lemon Grove
Attn. City Clerk
3232 Main St.
Lemon Grove, CA 92045

City of La Mesa
Attn. City Attorney
8130 Allison Avenue
La Mesa, CA 91941

City of Mission Viejo
Attn: City Clerk
200 Civic Center
Mission Viejo, CA 92691

City of Mission Viejo
Attn: City Attorney
200 Civic Center
Mission Viejo, CA 92691

City of Lemon Grove
Attn. City Attorney
3232 Main St.
Lemon Grove, CA 92045

City of National City
Attn. City Attorney
1243 National City Blvd
National City, CA 92050

City of Oceanside
Attn. City Clerk
300 N. Coast Highway
Oceanside, CA 92054-2885

City of National City
Attn. City Clerk
1243 National City Blvd
National City, CA 92050

County of Orange
Attn. County Counsel
P.O. Box 1379
Santa Ana, CA 92702

County of Orange
Attn. County Clerk
12 Civic Center Plaza, Room 101
Santa Ana, CA 92701

City of Oceanside
Attn. City Attorney
300 N. Coast Highway
Oceanside, CA 92054-2885

City of Poway
Attn. City Attorney
P.O. Box 789
Poway, CA 92064

City of Ramona
Attn. City Clerk
960 Main Street
Ramona, CA 92065

City of Poway
Attn. City Clerk
P.O. Box 789
Poway, CA 92064

City of Rancho San Diego - Jamul
Attn. City Clerk
3855 Avocado Blvd.
Suite 230
La Mesa, CA 91941

City of San Clemente
Attn. City Clerk
100 Avenida Presidio
San Clemente, CA 92672

City of Ramona
Attn. City Attorney
960 Main Street
Ramona, CA 92065

City of San Diego
Attn. Mayor
202 C Street, 11th Floor
San Diego, CA 92101

County of San Diego
Attn. County Clerk
P.O. Box 121750
San Diego, CA 92101

City of San Clemente
Attn. City Attorney
100 Avenida Presidio
San Clemente, CA 92672

County of San Diego
Attn. County Counsel
1600 Pacific Hwy
San Diego, CA 92101

City of San Diego
Attn. City Clerk
202 C Street, 2nd Floor
San Diego, CA 92101

City of San Diego
Attn. City Attorney
1200 Third Ave.
Suite 1620
San Diego, CA 92101

City of San Marcos
Attn. City Attorney
1 Civic Center Dr.
San Marcos, CA 92069

City of Santee
Attn. City Clerk
10601 Magnolia Avenue
Santee, CA 92071

City of San Marcos
Attn. City Clerk
1 Civic Center Dr.
San Marcos, CA 92069

City of Solana Beach
Attn. City Attorney
635 S. Highway 101
Solana Beach, CA 92075

Spring Valley Chamber of Commerce
Attn. City Clerk
3322 Sweetwater Springs Blvd,
Ste. 202
Spring Valley, CA 91977-3142

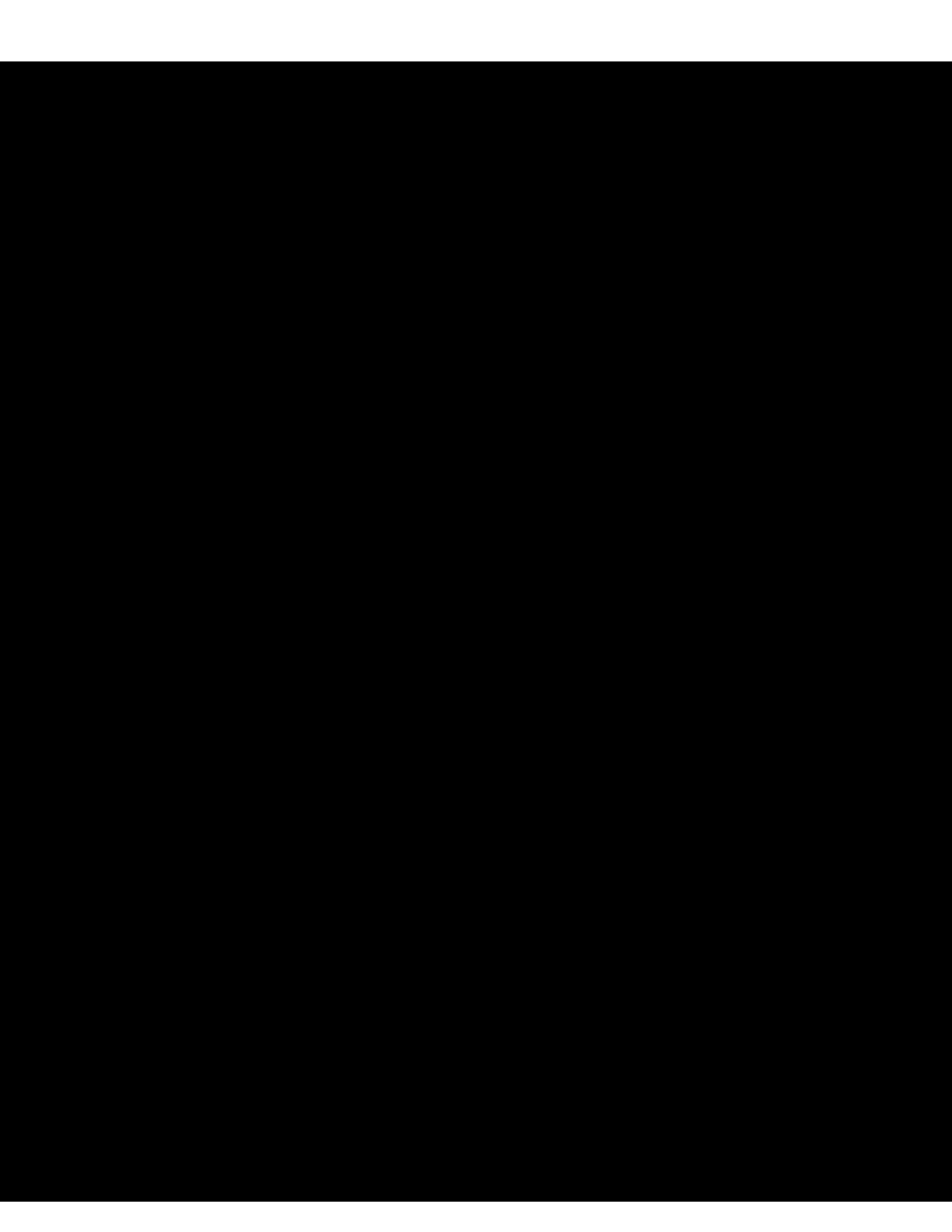
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Attn. City Attorney
10601 Magnolia Avenue
Santee, CA 92071

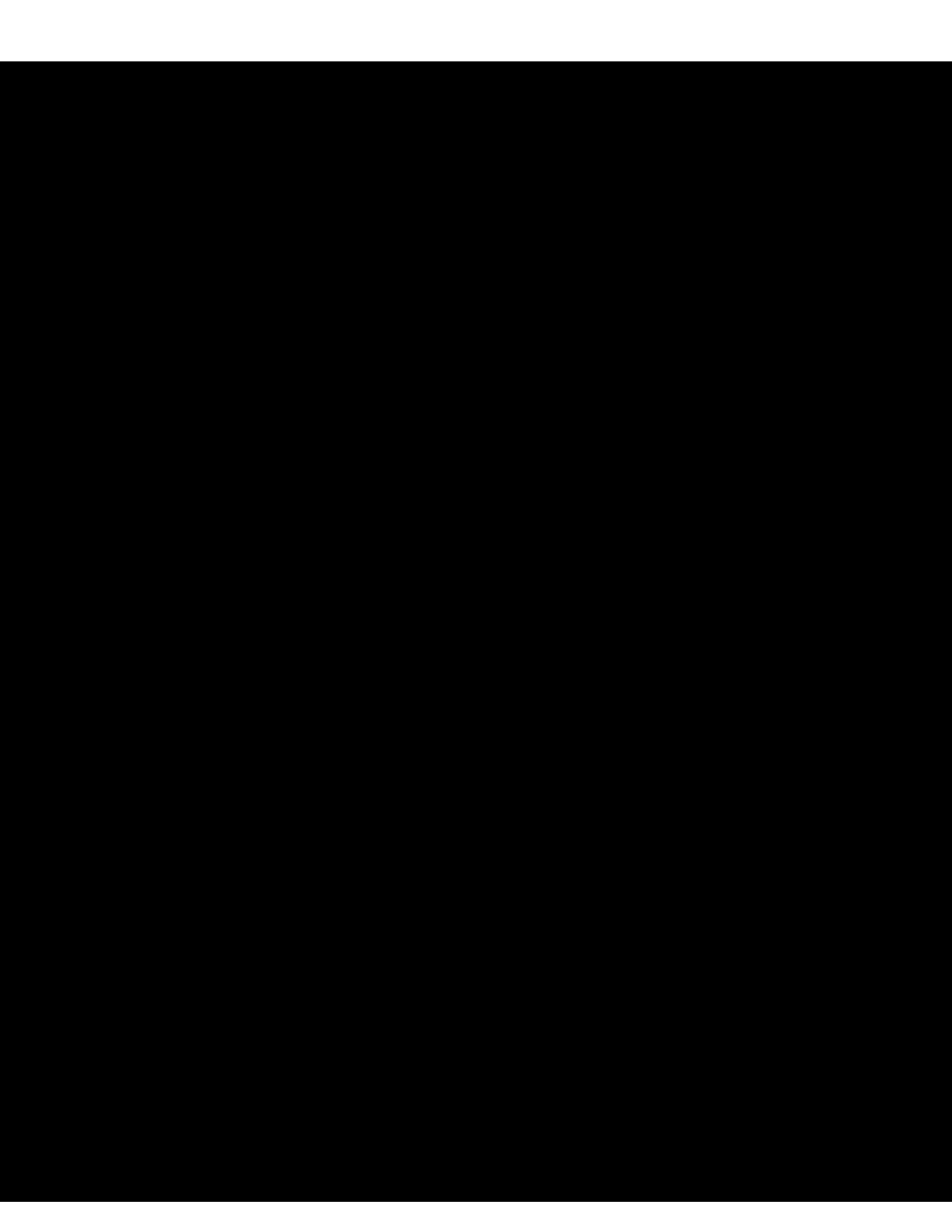
City of Vista
Attn. City Attorney
200 Civic Center Drive, Bldg. K
Vista, CA 92084

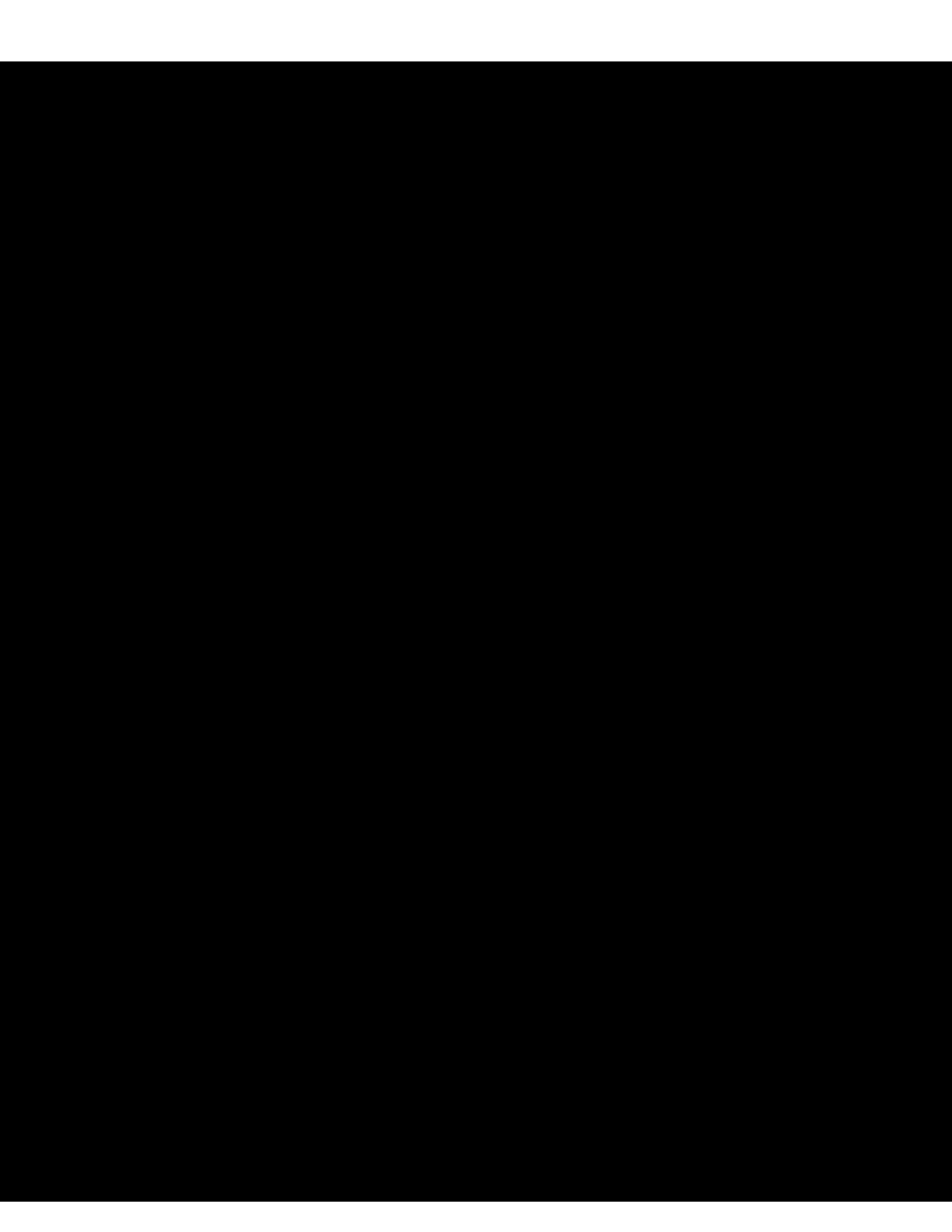
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Vista, CA 92084

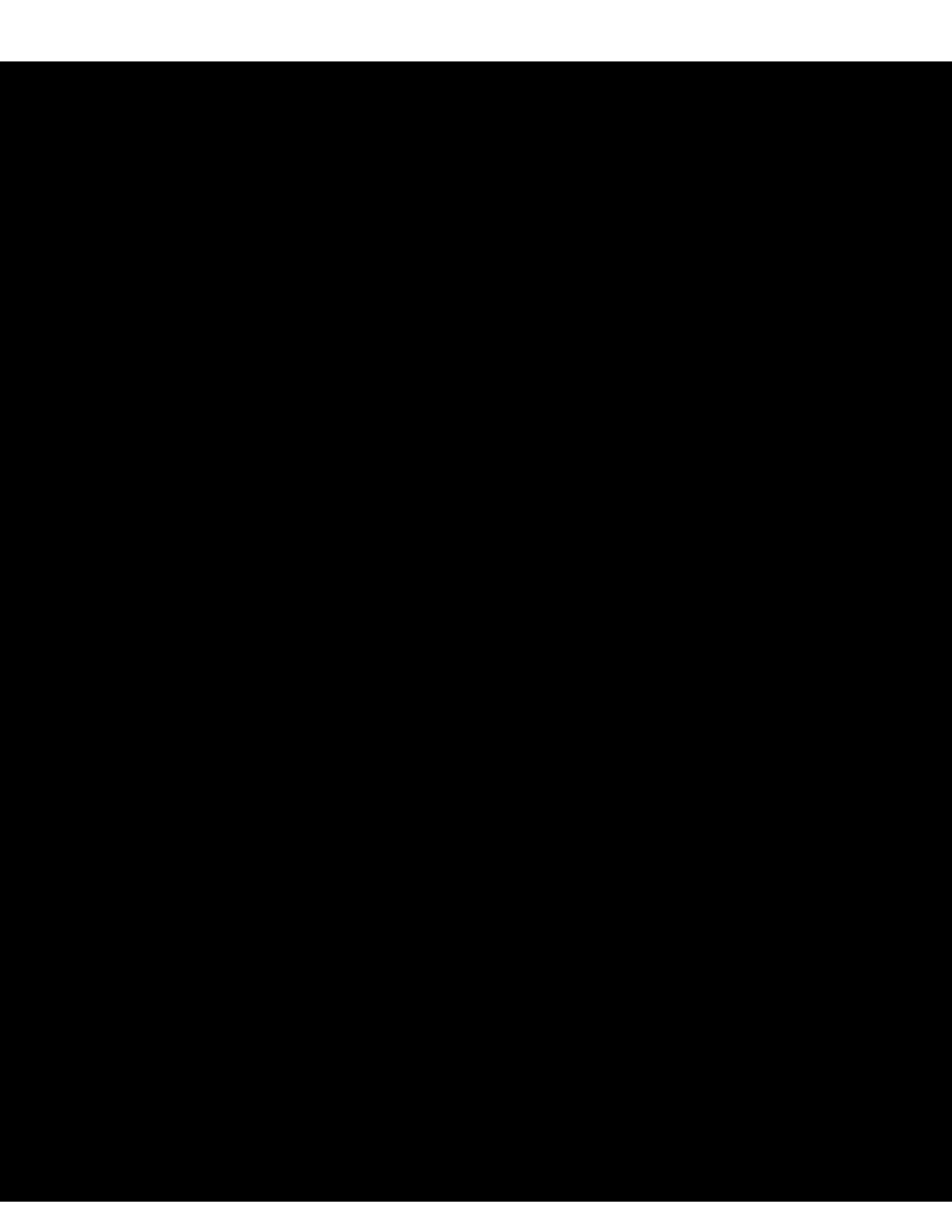
Valley Center Chamber
of Commerce
Attn. City Clerk
P.O. Box 8
Valley Center, CA 92082

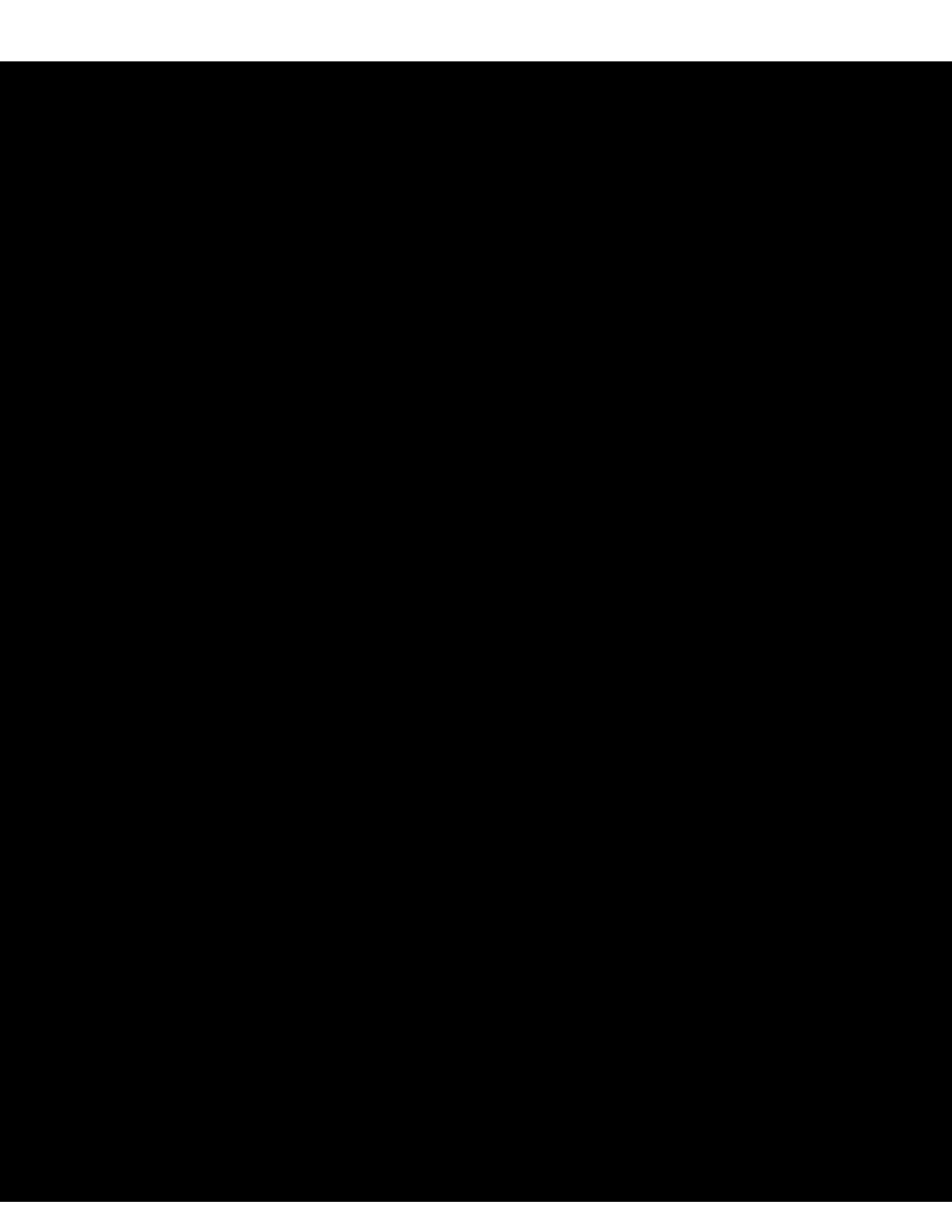
City of Aliso Viejo
12 Journey
Aliso Viejo, CA 92656

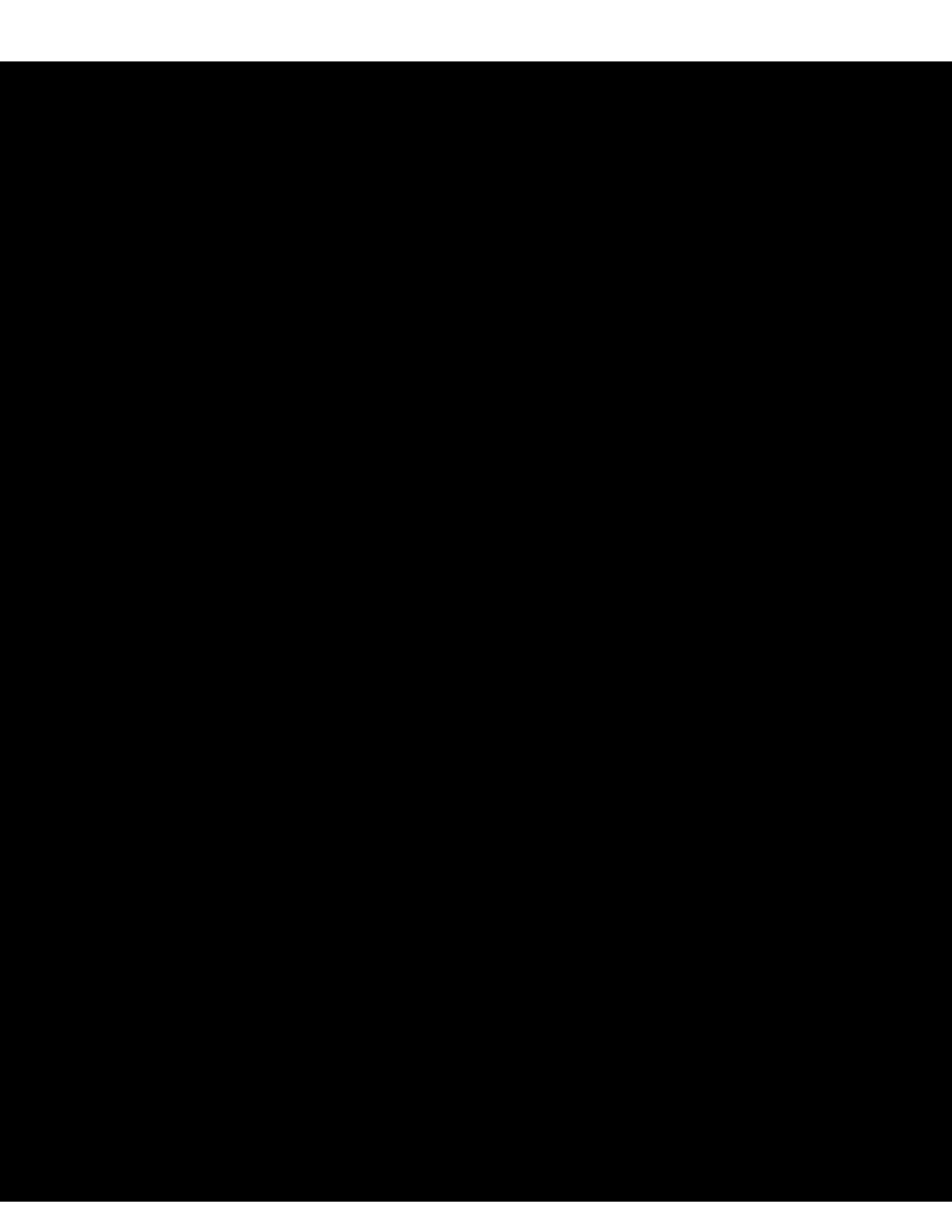


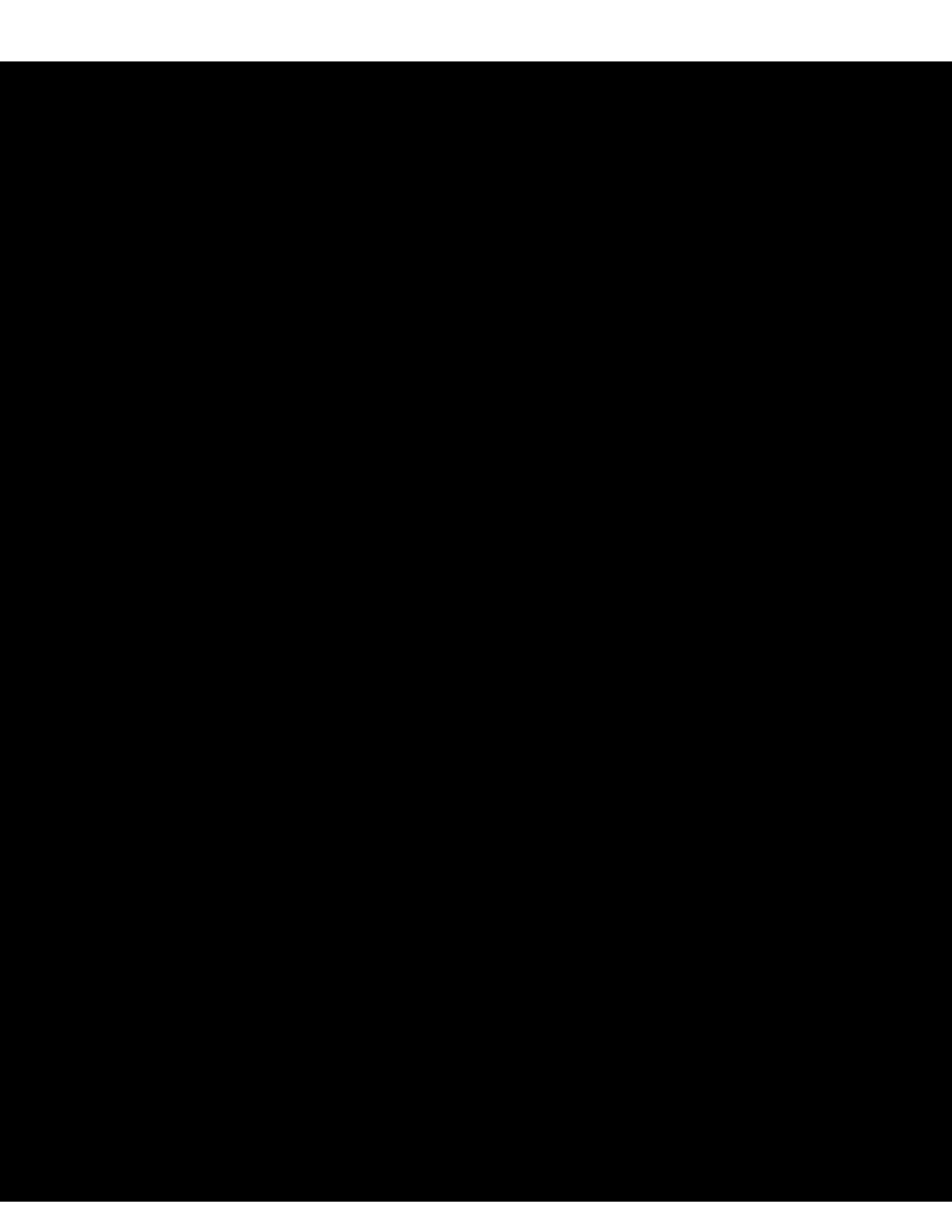


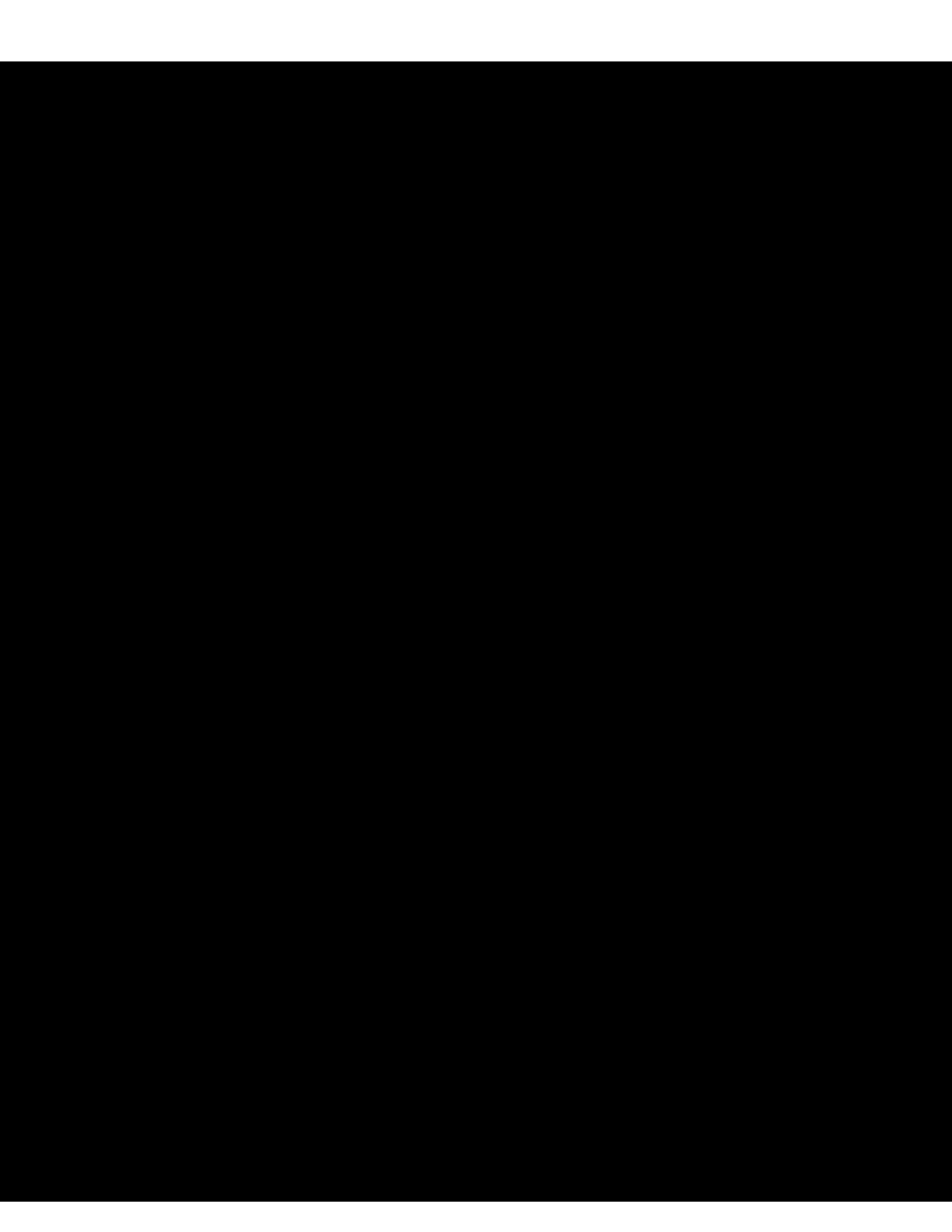


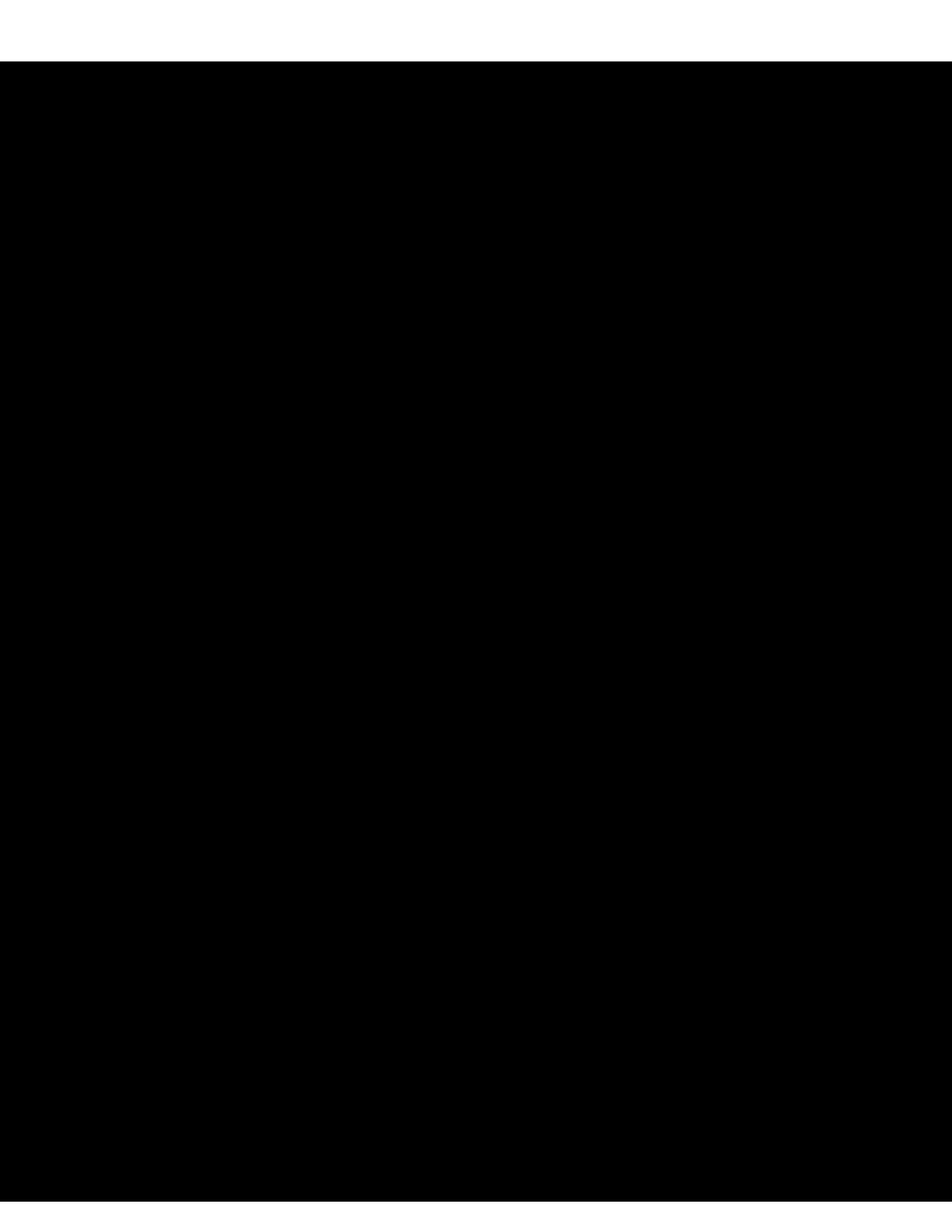


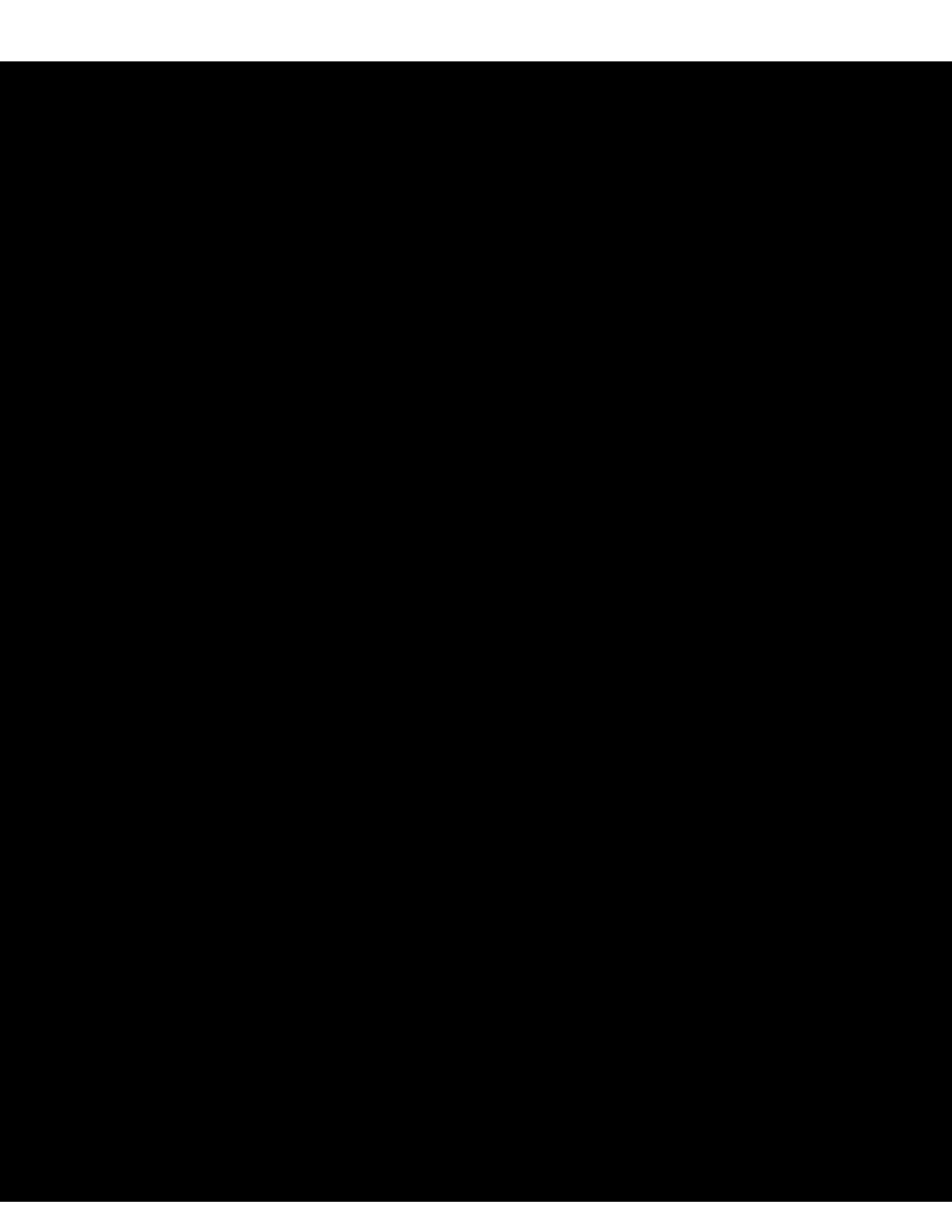


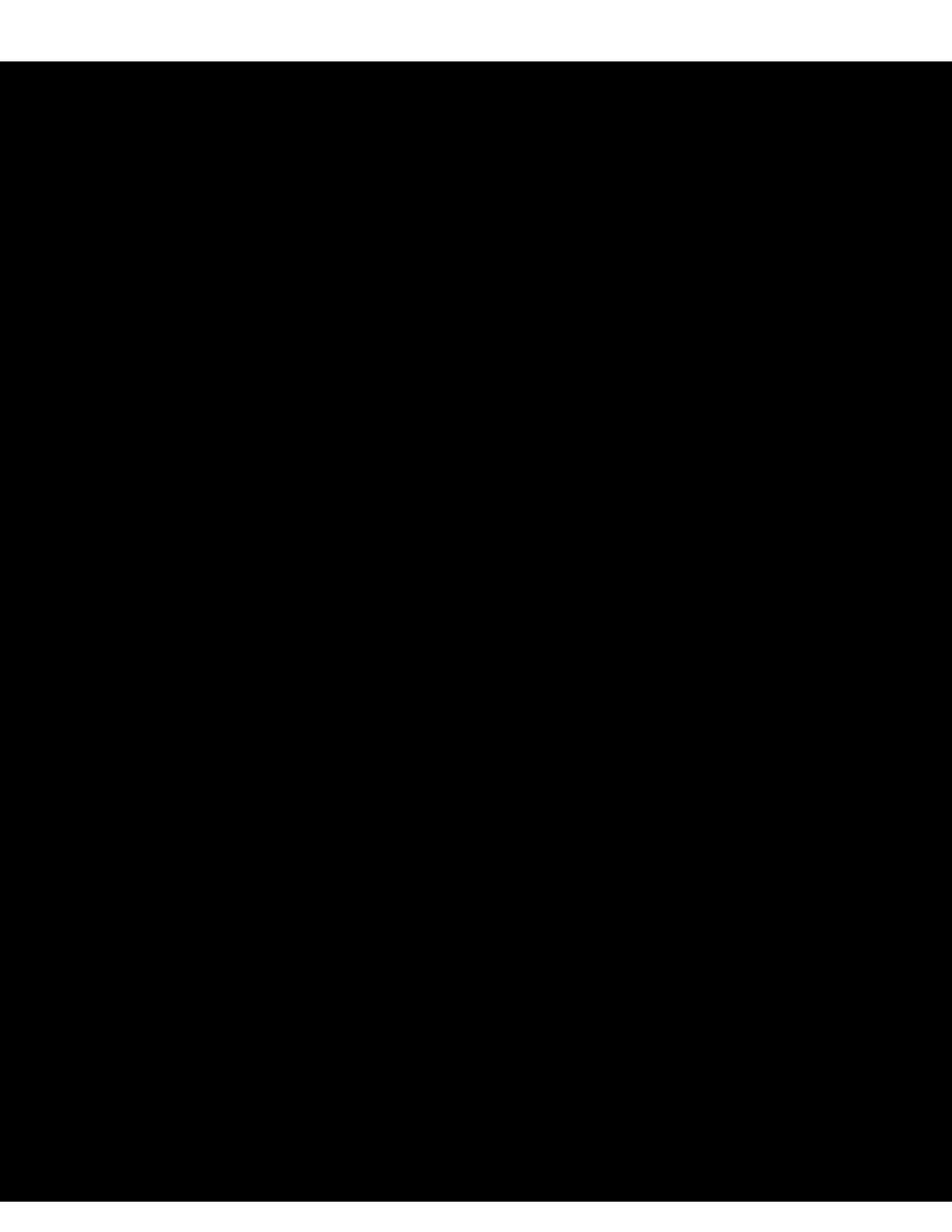


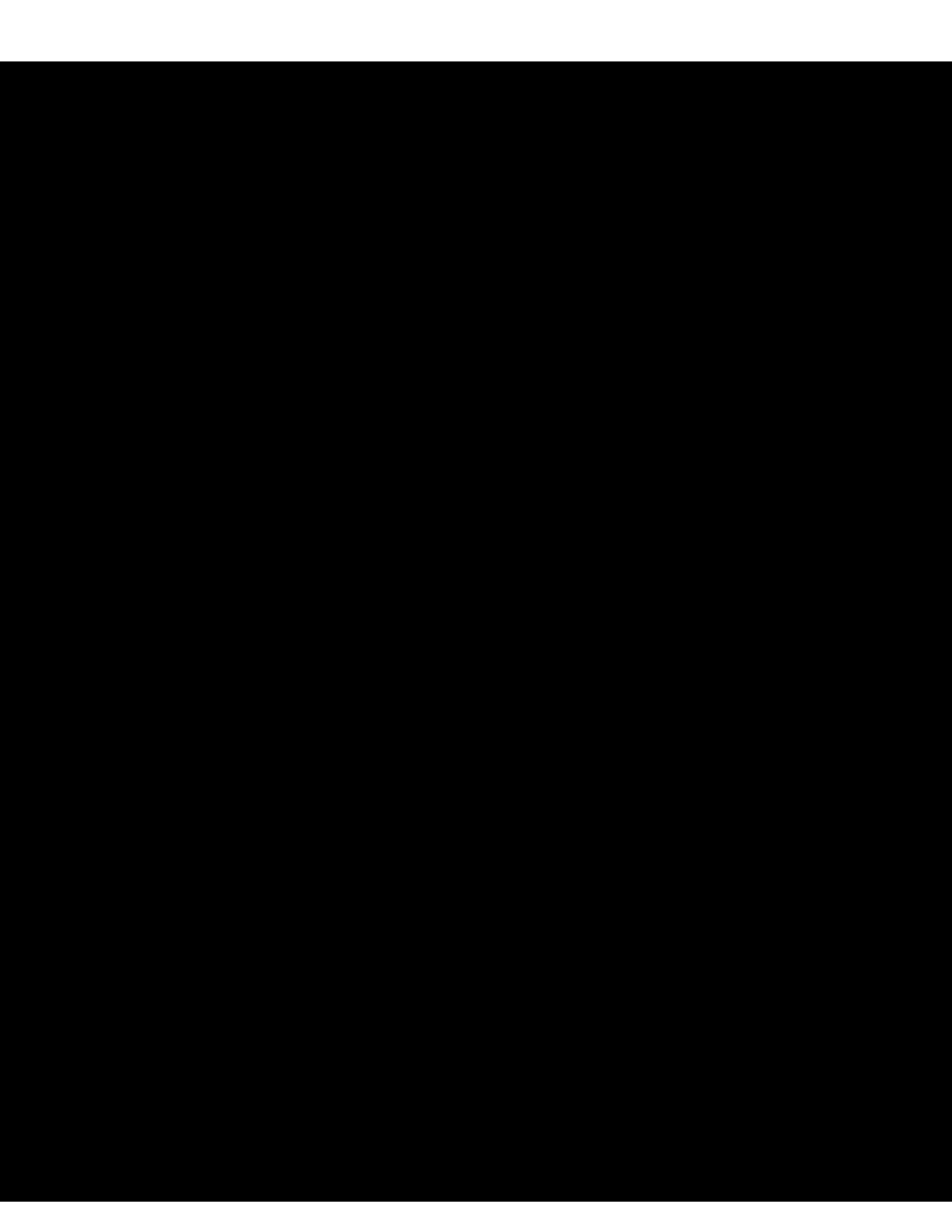


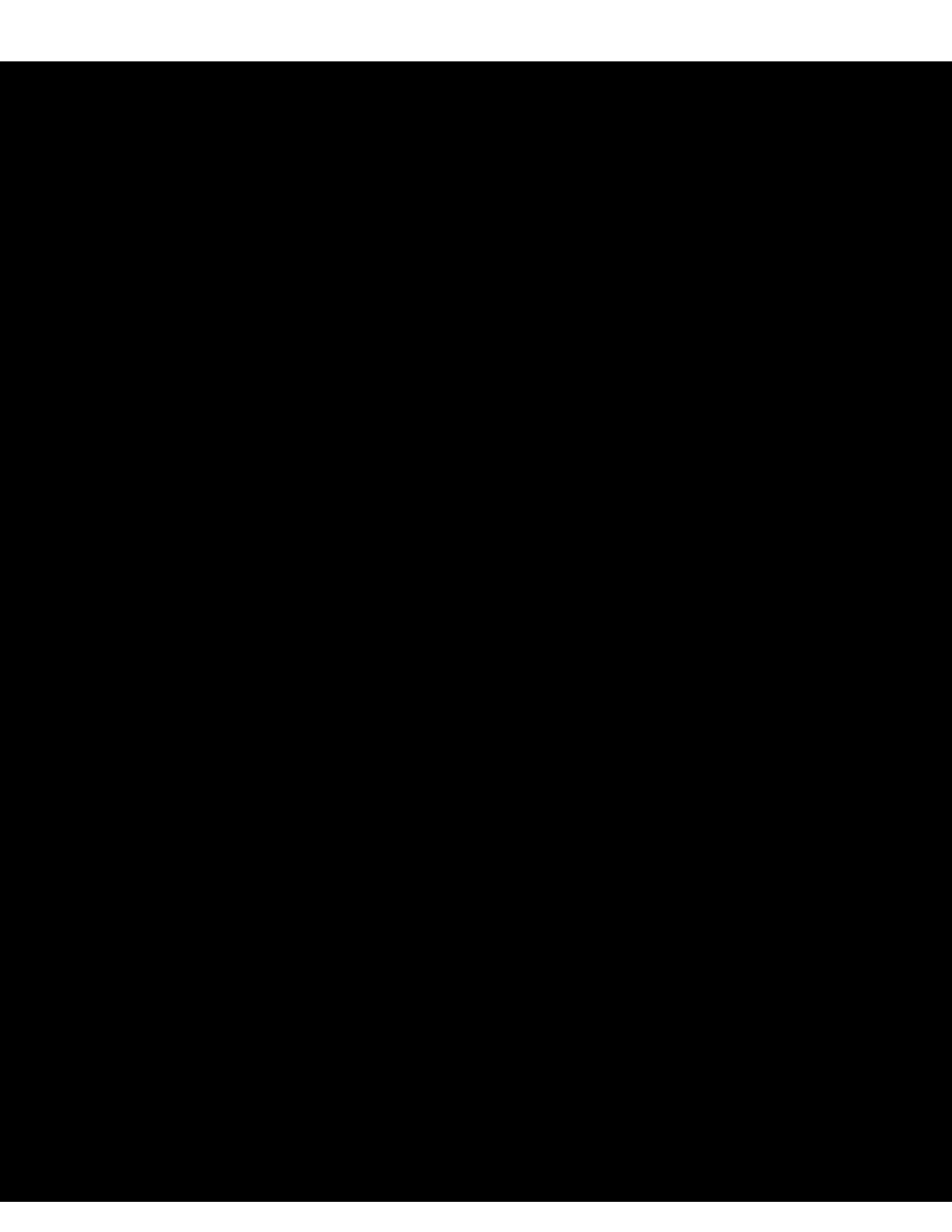


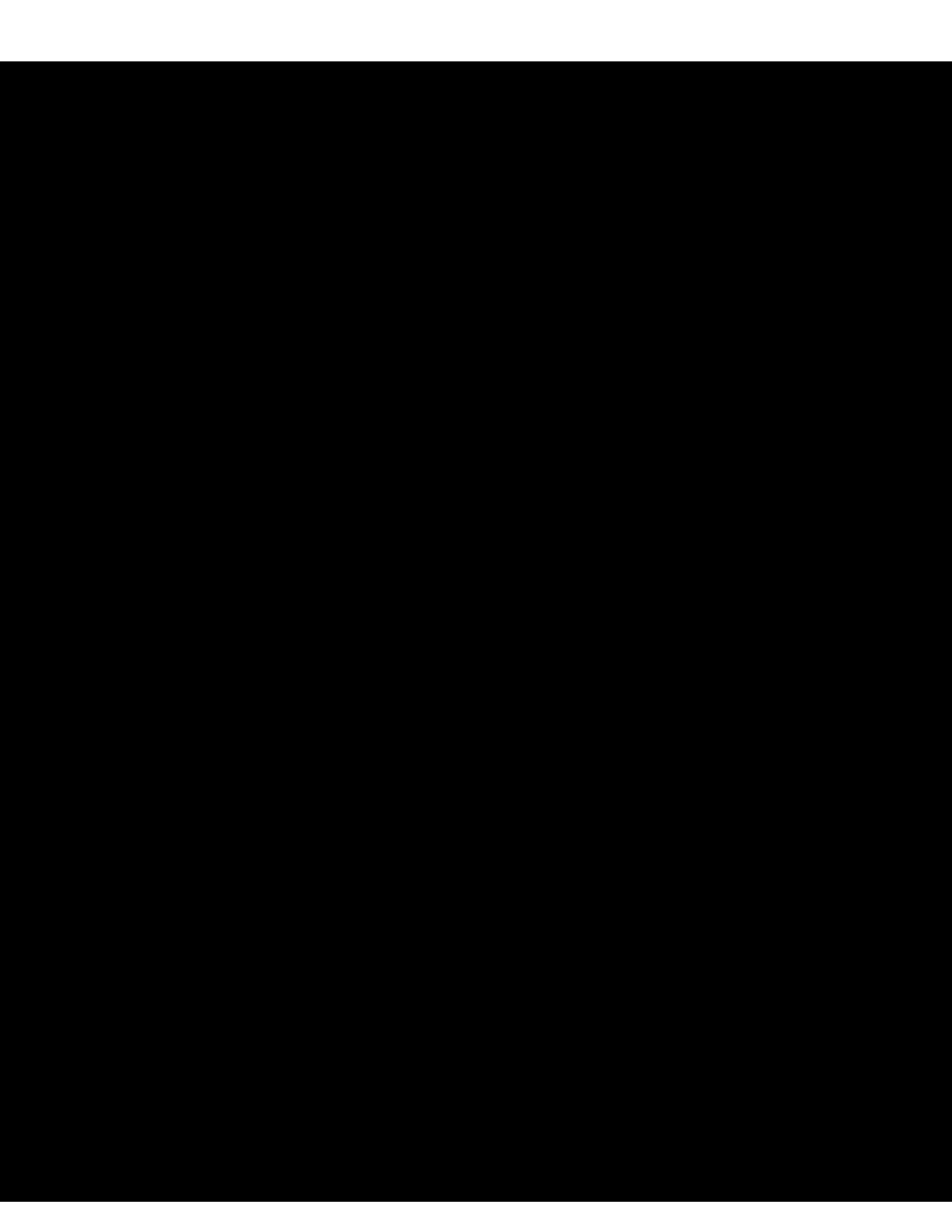


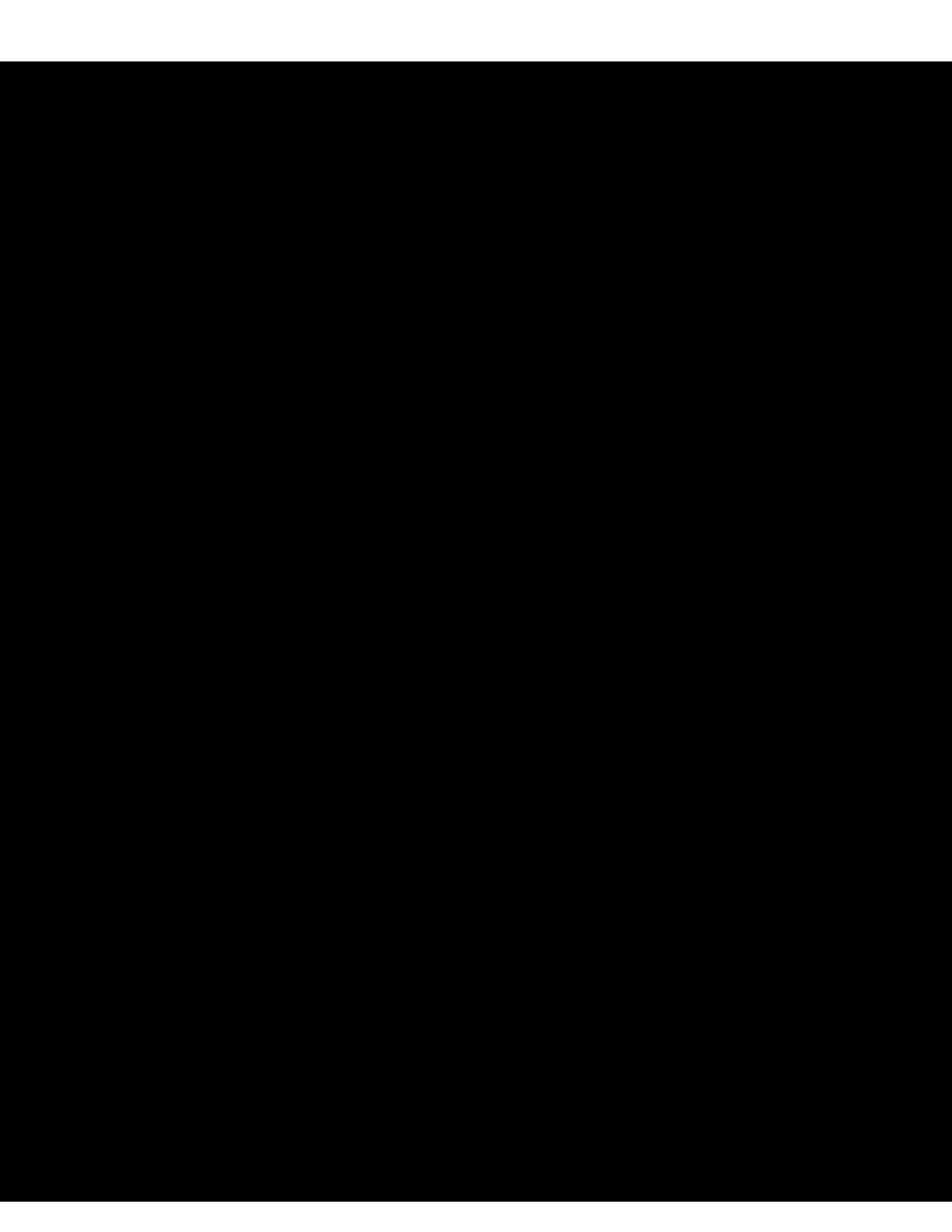












PUBLIC REVIEW LOCATIONS

A copy of the application and any amendments may be inspected at the SDG&E business offices and other public locations as listed below:

SDG&E
426 H St.
Chula Vista, CA 91910

SDG&E
104 N Johnson Ave.
El Cajon, CA 92020

San Clemente City Hall
City of San Clemente
100 Avenida Presideo
San Clemente, CA 92672

SDG&E
2405 Plaza Blvd.
National City, CA 91950

SDG&E
2604 El Camino Real
Carlsbad, CA 92008

San Clemente Library
242 Avenida Del Mar
San Clemente, CA 92672

SDG&E
440 Beech Street
San Diego, CA 92101

San Juan Capistrano
Regional Library
31495 El Camino Real
San Juan Capistrano, CA 92675

San Clemente Chamber of Commerce
1100 N. El Camino Real
San Clemente, CA 92672

SDG&E
336 Euclid Ave.
San Diego, CA 92114

San Juan Capistrano City Hall
City of San Juan Capistrano
32400 Paseo Adelanto
San Juan Capistrano, CA 92675

SDG&E
644 W. Mission Ave.
Escondido, CA 92025

San Juan Chamber of Commerce
31421 La Matanza Street
San Juan Capistrano, CA 92675

APPENDIX D
List of Newspaper(s) Publishing the Notice of Application

South Orange County Reliability Enhancement Project

**LIST OF NEWSPAPER(S) PUBLISHING
THE NOTICE OF APPLICATION FOR CERTIFICATE OF PUBLIC
CONVENIENCE AND NECESSITY**

The San Diego Union-Tribune

350 Camino de la Reina
San Diego, CA 92122-0191

North County Times

207 E. Pennsylvania Ave. 92025
Escondido, CA 92025

Orange County Register

625 North Grand
Santa Ana, CA 92701

L.A. Times

202 West 1st Street
Los Angeles, CA 90012

APPENDIX E
Draft Declaration of Posting of Notice

South Orange County Reliability Enhancement Project

DECLARATION OF POSTING (DRAFT)

I, _____, am a Land Management Representative responsible for managing access, easements, rights of way and fee-owned land for San Diego Gas & Electric Company. On _____, 2012, I posted the site for the proposed South Orange County Reliability Enhancement Project the Notice of Filing of an Application for a Certificate of Public Convenience and Necessity filed with the California Public Utilities Commission, in accordance with the provisions of General Order 131-D, Section XI.A.3.

I declare under penalty of perjury that the foregoing statements are true and correct to the best of my knowledge.

Executed this ____ day of May, 2012, at San Diego, California.

Land Management Representative SDG&E

APPENDIX F
Map of Proposed Project Location

SOCRE

One Mile Radius Map

VERSION DATE: 4/20/2012

1 inch = 3,100 feet @ 11" X 17"

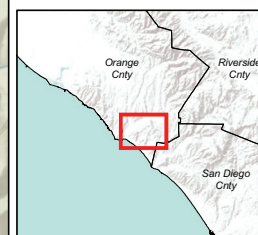


Project Data

-  Existing Electric Transmission Line
-  Project Route
-  Project One Mile Buffer

Points of Interest Within One Mile Buffer

-  Cemetery
-  Church
-  Park



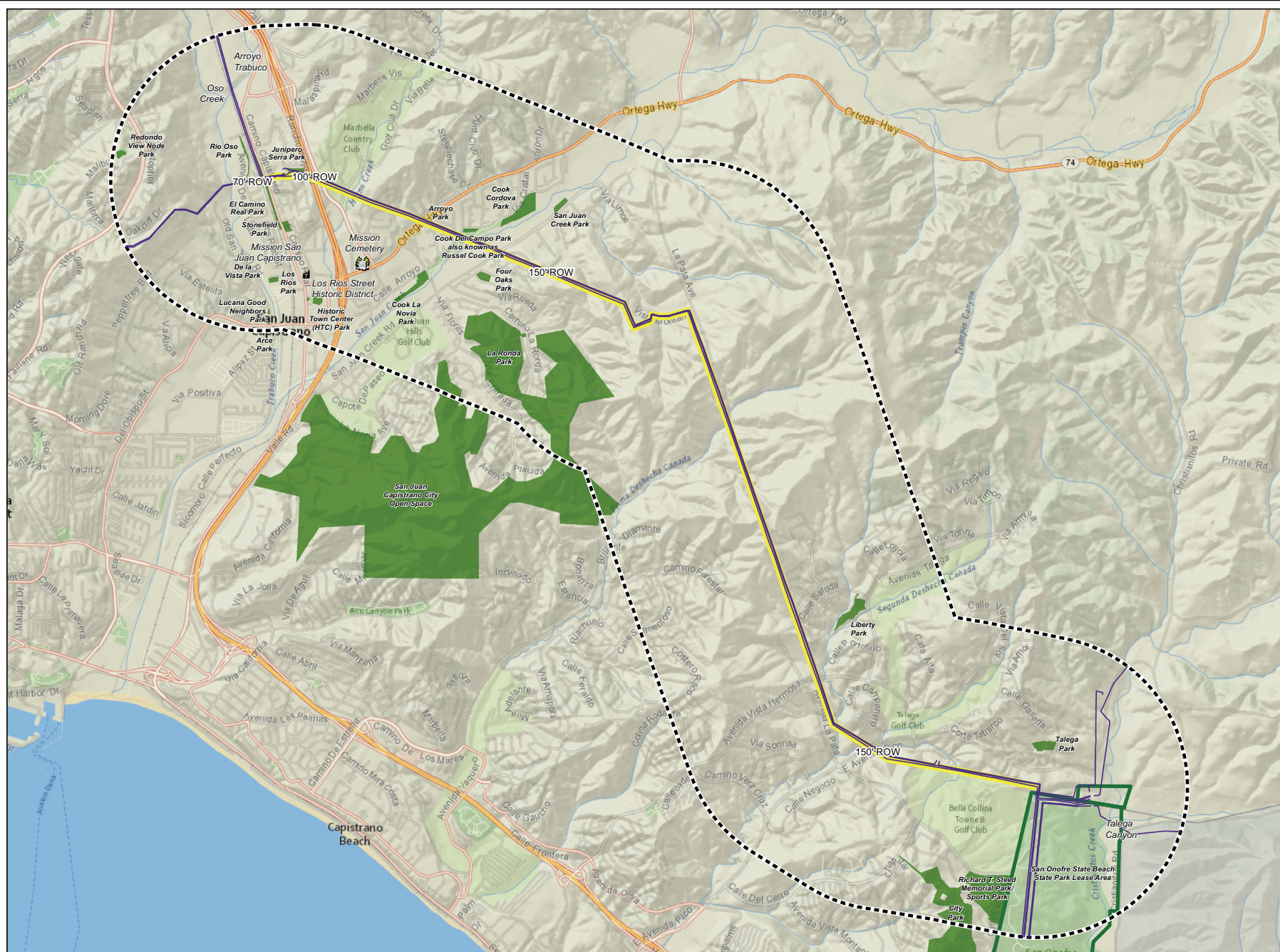
LAND SERVICES GIS
3150 S. Highway 161, Suite 100
San Diego, CA 92108
http://gis.sdmpra.com

SDGE
Santee Energy Services

SDG&E is providing this map with the understanding that the map is not survey grade.

Created by: dwerdt
Requested By: Mary Turley

M:\Projects\South OC Reliability Upgrade\MXD\20120410_Clip_to_Talega_overview_CPUC.mxd



APPENDIX G
Proposed Schedule for Right-of-Way

South Orange County Reliability Enhancement Project

PROPOSED SCHEDULE FOR RIGHT OF WAY ACQUISITION

DATE	I.D. TASK DESCRIPTION/ACTION ITEM
APRIL 2012	Finalize design drawings and survey work
APRIL 2012	Order updated title reports
APRIL 2012	Prepare easements and contracts, offer letters, etc.
JUNE 2012	Order and/or update real estate appraisals
SEPTEMBER 2012	Submit offers to owners
SEPTEMBER– DECEMBER 2012	Conduct negotiations
JANUARY 2013-	File condemnation action, request Order for Immediate Possession on unresolved acquisitions.
+ 100-200 days	Effective Order for Immediate Possession (OIP)

APPENDIX H
Magnetic Field Management Plan



Detailed Magnetic Field Management Plan
for the
South Orange County
Reliability Enhancement Project

Project Engineer: **Willie Thomas** (Team Lead IV-Trans Eng)
Project Designer: **Chuck Matvac** (Sr. Trans Eng Designer- Trans Eng)

Work Order No.: **BP5984480**
In-Service Date: **2017**

Transmission Lines: **TL695, 13812, 13816, 13831, 13833, 13834, 13835, 13836, 13837, 13846, 13847, 13848, 23007, 23030**

Central File No.: **ELA 140.B.XX**

Prepared by: Gerald Bennett – Transmission portion
S.C. Campbell - Substation portion

Date: 04/23/2012

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I. Project Scope

The South Orange County Reliability Enhancement Project (Proposed Project) is intended to meet the area load growth and service reliability for approximately 129,000 customers within southern Orange County. In order to increase service and reliability to its customers and substations in the southern Orange County region, SDG&E is proposing to replace the existing 138/12kV Capistrano Substation with a new 230/138/12kV Gas Insulated Substation (GIS), conducting minor alterations to the existing Talega Substation, and bringing two (2) new 230kV transmission lines into the southern Orange County area by replacing a section of an existing 138kV transmission line (TL13835) with a new 230kV double-circuit extension between Capistrano Substation and Talega Substation. The Proposed Project would have an anticipated in-service date of approximately 2017.

The new 230kV double circuit will be an extension of TL23007 and TL23030 from the Talega Substation area to the Capistrano Substation. This “Detailed Magnetic Field Management Plan (FMP)” is for analysis of the new 230kV double circuit extension.

II. Magnetic Field Management Design Guidelines

The California Public Utilities Commission ("CPUC") requires SDG&E apply its *EMF¹ Design Guidelines for Electrical Facilities* (“Guidelines”) to all new electric transmission projects to reduce public exposure to magnetic fields. SDG&E filed its Guidelines with the CPUC in accordance with CPUC Decision 93-11-013 and updated them in accordance with the 2006 CPUC Decision 06-01-042.

Consistent with SDG&E’s Guidelines and with the CPUC order, magnetic fields and possible magnetic field management measures were evaluated along the existing, and proposed, transmission circuit locations associated with the Project. The results of this evaluation are contained in this FMP.

The FMP deals solely with magnetic fields. Moreover, reducing the magnetic field strength is but one of many factors to be considered in planning and designing a transmission system, along with other issues such as safety, environmental concerns, reliability, insulation and electrical clearance requirements, aesthetics, cost, operations and maintenance.

III. Methodology

In Decision 06-01-042, the CPUC notes that modeling is used to compare the relative effectiveness of field-reduction options and is not to be used to predict post-construction field levels. CPUC Decision 06-01-042, Finding of Fact 14: “Utility modeling methodology is intended to compare differences between alternative EMF [Electromagnetic Field] mitigation measures and not determine actual EMF amounts.”² The CPUC also notes that “modeling indicates relative differences in magnetic field reductions between different transmission line construction methods, but does not measure actual environmental magnetic fields.”³

¹ EMF refers to electric and magnetic fields.

² CPUC Decision D.06-01-042, Finding of Fact 14, p. 20.

³ Ibid, p.11.

In accordance with its Guidelines, SDG&E will take the following measures for the Project:

- Apply SDG&E's EMF Guidelines for transmission circuit facilities to the Project design.
- Identify and implement appropriate "no-cost" measures, i.e., those that will not increase overall project costs but will reduce the magnetic field levels.
- Identify and implement appropriate "low-cost" measures, i.e., those measures costing in the range of 4% of the total budgeted project cost that will reduce the magnetic field levels by 15% or more at the edge of the right-of-way (ROW).
- When a sufficiency of "low-cost" measures is available to reduce magnetic field levels, such that it is difficult to stay within the 4% cost guideline, apply these "low-cost" measures by priority, per the Guidelines.

The 15% minimum reduction required for low-cost measures is in addition to any field reduction due to "no-cost" measures. It is not cumulative.

Since the Project requires permitting under General Order 131-D, a Detailed Field Management Plan ("FMP") will be used. The Detailed FMP consists of a project description, a checklist table showing evaluation of magnetic field reduction measures adopted or rejected per segment, evaluation of "no-cost" and "low-cost" magnetic field reduction techniques, magnetic field models, and a summary with recommendations, including tables showing resultant magnetic field reduction levels at the edge of the ROW where applicable.

Tables showing calculated resultant magnetic field levels at the edges of the ROW are included in "Section VIII- Summary of Calculated Magnetic Field Levels" in this report.

Field levels were calculated using the Rescalc program developed and maintained by the Electric Power Research Institute. As the proposed in-service date of the Project would be Fall 2017, the projected high usage currents, "2017 heavy summer," were used in the calculations. For the purpose of evaluating the field management measures, magnetic field levels were calculated and compared at a height of one meter above ground.

To evaluate the effectiveness of various magnetic field reduction measures, calculated values for a given technique were compared to calculated values without the technique. Since all segments of the Project are within defined easements, magnetic field levels were calculated and compared at the adjacent parallel property lines, or edges of ROW.

The edges of the ROW are identified as "West", "East", "North", or "South" for consistency when reviewing the sketches included in "Appendix 1" and the tables included in "Section VIII- Summary of Calculated Magnetic Field Levels" in this report.

IV. Project Description

The South Orange County Reliability Enhancement Project (Proposed Project) is intended to meet the area load growth and service reliability for approximately 129,000 customers within southern Orange County. In order to increase service reliability to its customers and substations in the southern Orange County region, SDG&E is proposing to replace the existing 138/12kV Capistrano Substation with a new 230/138/12kV Gas Insulated Substation (GIS), make minor changes to the existing Talega Substation, and bring two (2) new 230kV transmission lines into the southern Orange County area by replacing a section of existing 138kV transmission line (TL13835) with a new 230kV double-circuit extension between Capistrano Substation and Talega Substation. The Proposed Project will have an anticipated in-service date of 2017.

The transmission line portion of this Proposed Project is approximately eight miles in length with components primarily located in portions of the cities of San Juan Capistrano and San Clemente, as well as unincorporated Orange County, and the United States Marine Corps Base Camp Pendleton (Camp Pendleton). (see Appendix 1, “Segment Map”) This area of southwestern Orange County is composed of residential, commercial, recreational, and open space land uses.

This “Detailed Magnetic Field Management Plan” is specifically for the following Proposed Project components:

- Relocate the three existing 138kV transmission lines from the Capistrano Substation into the new San Juan Capistrano substation. Loop-in the two 138kV transmission lines that currently bypass the existing substation into the new San Juan Capistrano substation. Underground all of the westbound 138kV transmission line getaways.
- The Proposed Project includes replacing an existing 138kV transmission line, TL13835, between Capistrano Substation and Talega Substation, with two (2) new 230kV transmission lines which will be installed on common, double-circuit structures. TL23007 will be disconnected from Talega Substation and connected to the new transmission lines on the west side of the common double-circuit structures, extending it from its other terminating substation, San Onofre Substation, beyond Talega Substation to Capistrano Substation. The other new transmission line on the east side of the structures will tie to TL23030 where it currently enters Talega Substation on the east side coming from its other termination at Escondido Substation, making it a three terminal line at that point, and extending it from Talega Substation to Capistrano Substation. These changes are described as follows:
 - Within SDG&E’s existing right-of-way (ROW) build approximately 7.5 miles of new overhead double-circuit 230kV transmission lines connecting to existing 230kV transmission lines (TL2007, TL23030) near Talega Substation;
 - Acquire new ROW for approximately 0.25 mile of new overhead 230kV transmission line (TL23030) adjacent to SDG&E’s Talega Substation;
 - Within SDG&E’s existing Vista Montana street easement and franchise position, replace 0.36 miles of one (1) existing 138kV underground transmission duct bank with two (2) new 230kV underground transmission duct banks;
- Remove and relocate 12kV distribution lines from within SDG&E’s existing Capistrano to Talega utility corridor to accommodate the new 230kV double-circuit line;
- Relocate existing 69kV and 138kV transmission lines near the Talega Substation;

- Install approximately 81 new steel transmission line structures (49 - 230kV structures, 23 - 138kV structures, and 9 - 69kV structures);
- Remove approximately 86 wood structures, 12 - steel structures, and 5 - steel lattice towers;
- Upgrade remote ends of 138kV and 230kV transmission lines affected, as required.

For the purposes of this document, the transmission line work associated with the Proposed Project has been divided into four (4) segments. Segment 1 and 3 were further subdivided due to configuration changes in those segments which affect modeling:

Segment 1a – Following the completion of the new San Juan Capistrano 230/138/12kV gas insulated substation, six (6) 138kV transmission lines will connect to the new facility via underground getaways. Four of the six 138kV transmission lines, TL13833, TL13834, TL13847, and TL13837, will exit the substation site via underground conduit duct banks on the west side, and cross under Camino Capistrano, heading west to four new steel cable poles. Two of these, TL13847 and TL13837, will continue west in an underground position within an existing 60 foot wide SDG&E easement for approximately 600 feet until transitioning to an overhead position on a new steel cable pole located along Avenida de la Vista. There is a community recreation facility on the north side of this easement, along with residential structures on both sides. From there they connect to their existing transmission circuits within franchise, and continue westerly to Laguna Niguel Substation.

The other two, TL13833 and TL13834, transition overhead to new steel cable poles near Camino Capistrano, approximately 200 feet from Capistrano Substation, where they connect to their existing transmission circuits and head north, within franchise, to Trabuco Substation.

The last two of the six 138kV transmission lines, TL13816 and TL13848, will exit the substation to the east via new steel cable poles that will be installed in the northeast corner of the substation site. From there, these two 138kV lines will connect to their appropriate, existing, transmission lines, which currently reside within an existing 150 foot wide SDG&E easement, and head toward Rancho San Juan residential development, along with the new 230kV double circuit transmission lines as defined in Segment 1b. Land use in this Segment is residential.

Segment 1b – This Segment includes construction of a new 230kV double circuit overhead transmission line between the new San Juan Capistrano 230/138/12kV gas insulated substation and the Rancho San Juan residential development, located near the intersection of La Pata Avenue and Vista Montana, a distance of approximately 2.7 miles. It will involve the removal of wood structures, lattice towers and steel poles, and the installation of new taller steel poles. The new 230kV steel poles will be installed within SDG&E's existing 150 foot ROW, using the same alignment as existing TL13835. Land use in this Segment is residential and undeveloped land.

Segment 2 – Segment 2 will include the installation of two separate 230kV underground conduit duct banks, for a distance of approximately 0.4 miles, where the Proposed Project goes past San Juan Hills High School. The first 230kV circuit, TL23030, will be located in a franchise position just north of centerline within Vista Montana between Via Pamplona and La Pata Avenue. The second 230kV circuit, TL23007, will also be installed within Vista Montana, but south of centerline, within an existing 30-foot easement. The 230kV circuits will transition on both sides

of Vista Montana from underground to overhead via two new 230kV steel cable poles at each end of the Rancho San Juan segment, for a total of four new 230kV steel cable poles. It should be noted that this segment removes two existing 138kV steel cable poles, one on each end of Vista Montana, and the associated 138kV cable as they are no longer necessary. One existing 138kV double-circuit steel cable pole (currently TL13833 and TL13816) located near the intersection of Vista Montana and Via Pamplona will be replaced. The replaced pole will be installed just north of the existing pole to make room for the new 230kV (TL23030) underground cable system. Land use for this segment is residential and school.

Segment 3a – Segment 3a of the Proposed Project will include the installation of approximately 3.4 miles of new 230kV overhead on approximately twenty-two (22) double-circuit steel poles located within the cities of San Juan Capistrano and San Clemente, as well as within unincorporated Orange County following the previous, TL13835, alignment. It begins where the new underground transmission lines will transition to an overhead position adjacent to the proposed Rancho San Juan residential development, and end where the 138kV tielines loop in to Pico Substation. Land use for this segment is mostly undeveloped land until it nears Pico Substation where there are commercial/industrial and residential areas.

Segment 3b – This Segment includes the section of Segment 3 from Pico Substation where the two 138kV tielines (TL13846 and TL13836) come out and head east, staying parallel to the new 230kV transmission lines, then south to the Talega Hub, a distance of approximately 0.8 miles. At the Talega Hub, the new TL23030 circuit continues on east (see Segment 4) to the north east corner of Talega Substation, where it turns south to the new TL23030 Talega Tap. The other 230kV tieline, TL23007, continues south within the Talega Hub area and connects to the existing TL23007 pole line (see Segment 4), which ultimately terminates at the San Onofre Substation. The existing connection of TL23007 at Talega Hub to Talega Substation will be disconnected. Land use for this segment is commercial/industrial and undeveloped.

Within Segment 3, approximately thirty-two (32) 138kV wood structures (two and three pole structures currently used to support TL13835) will be removed along with all associated 138kV conductor and hardware to make room for the new 230kV transmission lines and structures.

Segment 4 – Within Segment 4 of the Proposed Project, the two new 230kV transmission lines will follow separate routes. Therefore, each new 230kV transmission line is described separately below by circuit number.

TL23007

TL23007 will travel south within the Talega Hub area for approximately 600 feet until it connects to existing TL23007 at an existing steel lattice tower structure.

TL23030

TL23030 will continue traveling east, on centerline of a new 100 foot-ROW, until it turns south at the northeast corner of Talega Substation, then continue south until it ends at the new Talega Tap where existing TL23030 transmission line coming from Escondido Substation currently enters Talega Substation, a total distance of approximately 2,630 feet. To provide for this, an existing 230kV dead end steel pole will be replaced with a 230kV steel pole.

Transmission line work within Segment 4 also includes re-locating existing 138kV and 69kV transmission lines, both within new and existing ROWs, by installing new overhead structures and underground duct banks. This is required for clearance purposes when the new 230kV transmission lines and structures are installed near Talega Substation. All of Segment 4 lies well within the SDG&E utility easements at the Talega Hub and Talega Substation site so modeling was not performed. Land use adjacent to Segment 4 is Camp Pendleton Military Base on the east and south with buildings over 1,000 feet away, a golf course to the west, and undeveloped land for at least 500 feet to the north. For these reasons land use was defined as “undeveloped land”. Modeling was not done due to the complexity of placement of the transmission lines.

Drawings and descriptions showing a typical pole top configuration, tieline relative locations to each other and left and right ROW are included in Appendix 1. Figure 1 below shows the drawing symbols; the arrows on the drawings indicate the viewing direction for orienting each drawing and the direction of current flow.

Figure 1: Drawing Symbol Definitions

Symbol	Interpretation	Meaning
	Viewing Direction	The orientation as seen when looking toward the north
	Current flow into the page	Direction of current flow is same as viewing direction
	Current flow out of the page	Direction of current flow is opposite of viewing direction
	Underground Transmission Circuit	Location of underground transmission circuit
	Underground Transmission Circuit	Location of Underground Transmission in Bridge Cell

V. Field Management Measures Considered for the Transmission Portion of the Proposed Project

Per the “EMF Design Guidelines for Electrical Facilities, Table 3-1”, all Segments were reviewed for suitable application of magnetic field reduction measures, as listed in “*Table 1: Magnetic Field Reduction Measures Adopted or Rejected*” below. These techniques will be discussed under the “Section VI- Magnetic Field Reduction Measures Evaluated for the Project” that follows.

Table 1: Magnetic Field Reduction Measures Adopted or Rejected

Segment(s)	Location (Street, Area)	Adjacent Land Use	Reduction Measure Considered	Measure Adopted? (Yes/No)	Estimated Cost to Adopt
All	Entire Project Corridor	Residential, Commercial, Industrial, Undeveloped	Locate power lines closer to center of the utility corridor to extent possible.	No	N/A
	Reason not adopted: SEG 1a and SEG 2 underground is designed to be as close to center of easement as possible. The new 230kV tielines in SEG 1b, SEG 3a, and SEG 3b are using the existing 138kV pole alignment within the SDG&E corridor. TL23030 is designed to be in the center of the new easement in SEG 4. No other alignment is feasible for safety and reliability reasons for other transmission lines in SEG 4. Therefore this option was discarded.				
1b, 3a, 3b	Overhead Project Corridor	Residential, Commercial, Industrial, Undeveloped	Increase structure height.	Yes	Not Available
	SEG. 1b, SEG. 3a, and SEG. 3b will require a standard 230kV double circuit steel pole. Some structure heights will increase to maintain or increase sag distance from ground to the circuit by design. Making structure heights taller was modeled for 15% reduction at ROW and consideration of the cost exceeding 4% of the total Proposed Project cost was evaluated. A conclusion was made and is discussed below. (see “Magnetic Field Reduction Measures Evaluated for the Project” below)				
4	Overhead Project Corridor	Residential, Commercial, Industrial, Undeveloped	Increase structure height.	No	N/A
	Reason not adopted: Land use adjacent to SEG 4 is “undeveloped land “ to the north, east and west . There are no structures for at least 400 feet on land north of Segment 4, and for at least 1,000 feet on the east and south sides. To the west is a golf course, on which the nearest structure is more than 1,000 feet from the Segment 4 corridor. Due to the adjacent land uses to the north, east and south, and the complexity of placement of the transmission lines in this Segment, increasing structure heights to reduce magnetic fields was rejected for Segment 4.				
All	Entire Project Corridor	Residential, Industrial, Undeveloped	Reduce conductor (phase) spacing.	No	N/A
	Reason not adopted: In SEG 1b, SEG. 3a, SEG. 3b, and SEG 4, pole top spacing is per SDG&E Standards recommended for a 230kV double circuit steel pole to avoid possibility of blow-out. SEG. 1a and SEG. 2 underground will be installed in SDG&E Standards recommended				

	underground conduit duct banks with set conductor phase spacing. Therefore this option was discarded.				
1b, 3a, 3b	Overhead Project Corridor	Residential, Commercial, Industrial, Undeveloped	Place Overhead Underground	No	N/A
	Reasons not adopted: The combined length of the 230 kV tielines in proposed project segments 1b, 3a and 3b is approximately 7.7 miles. The cost to underground these segments would far exceed the 4% benchmark guideline for "low-cost" magnetic field reduction. Therefore, undergrounding the proposed 230 kV tielines in these segments was rejected as an option to reduce magnetic fields.				
1a & 2	Underground Project Corridor	Residential, School	Increase trench depth.	Yes	Not Available
	Undergrounding the 138kV tielines in SEG 1a, and the 138kV and 230kV tielines in SEG 2, is per SDG&E Standards designed to be at 3 feet top-of-conduit (TOC). Increasing the depth was modeled and consideration of the cost exceeding 4% of the total Proposed Project cost and the possibility of degradation of the ampacity and rating of the tieline due to more heat at deeper depths was reviewed. A conclusion was made and is discussed below. (see "Magnetic Field Reduction Measures Evaluated for the Project" below)				
All	Project Corridor	Residential, Commercial, Industrial, Undeveloped	Phasing circuits to reduce magnetic fields.	No	N/A
	Reasons not adopted: Reduction of magnetic field values (milligauss) through phasing techniques was considered and modeled for the Proposed Project. SEG 1a 138kV tielines, TL13847 and TL13837, were phased per a previous FMP for Laguna Niguel and must keep their existing phasing for lowest field values. TL13833 and TL13844 were found to be phased for lowest field values so should remain as is. The 138kV tielines in SEG 1b, 3a, and 3b were reviewed in various combinations of phasing and also found to be phased for lowest field values so should remain as is. The SDG&E proposed 230kV extension tielines were modeled with various phase combinations and it was found if TL23030 were reverse phased C-B-A(top-to-bottom) from TL23007 A-B-C(top-to-bottom) a reduction was achieved at the edge of ROW for SEG 1b, 3a, and 3b. However, TL23030 should remain as is, since the southerly termination of that circuit is at Escondido Substation, which is out of scope of this Proposed Project and it shares common structures with other transmission lines within the corridor between Talega Sub and Escondido Sub which were phased for lowest field values at ROW in previous FMPs. The phasing of underground Segment 2, and overhead phasing of Segment 4, being portions of the new 230kV extension between Capistrano and Talega Sub. must remain consistent with that of the overhead lines. This is do to safety issues that may arise when "fault tracking" a tieline from either substation it ties into, any phase change of a tieline must be done as it connects to the rack at each substation it terminates at. The portion of Segment 4 containing TL23007 has a southerly termination at San Onofre Substation and outside the scope of this Proposed Project, thereby precluding analysis of phase arrangement, as described above. In summary, phase arrangement was rejected as an option for all segments of the Proposed Project.				

VI. Magnetic Field Reduction Measures Evaluated for the Transmission Portion of the Proposed Project

Per SDG&E EMF Design Guidelines for Electrical Facilities, this FMP is limited to an assessment of increasing structure height for SEG 1b, SEG 3a, and SEG 3b, and increasing trench depth, as field reduction techniques for SEG 1a and SEG 2. Other techniques such as changes in locating power lines closer to the center of the corridor, reducing conductor (phase) spacing, and phasing circuits to reduce magnetic fields were not implemented.

Locating power lines closer to the centerline of the corridor: Every effort was made to locate the power line closer to center of corridor or franchise for the Proposed Project. SEG1a and SEG 2 underground is designed to be as close to center of easement as possible. The new 230kV tielines in SEG 1b, SEG 3a, and SEG 3b are using the existing 138kV pole alignment within the SDG&E corridor for safety and reliability reasons. TL23030 is designed to be in the center of the new easement in SEG 4. For all other transmission lines in SEG 4, no other alignment is feasible for safety and reliability reasons. Therefore this option was discarded.

Increasing structure height: Land use adjacent to SEG 4 is “undeveloped land “ to the north, east and west . There are no structures for at least 400 feet on land north of Segment 4, and for at least 1,000 feet on the east and south sides. To the west is a golf course, on which the nearest structure is more than 1,000 feet from the Segment 4 corridor. Due to the adjacent land uses to the north, east and south, and the complexity of placement of the transmission lines in this Segment, increasing structure heights to reduce magnetic fields was rejected for Segment 4.

Reducing conductor phase spacing: Reducing conductor spacing of overhead and underground installations is not an acceptable mitigation technique. The SDG&E Standards for underground installation provides the closest separation without degradation of the circuit’s rating due to interference and heat between the three phases. The overhead pole top spacing is per SDG&E Standards recommended for a 230kV double circuit steel pole to avoid possibility of blow-out. Therefore this option was discarded.

Phasing circuits to reduce magnetic fields: Reduction of magnetic field values (milligauss) through phasing techniques was considered and modeled for the Proposed Project. SEG 1a 138kV tielines, TL13847, TL13837, were phased per a previous FMP for Laguna Niguel and must remain their existing phase for lowest field values. TL13833 and TL13844 were found to be phased for lowest field values so should remain as is. The 138kV tielines in SEG 1b – SEG 3b were reviewed in various combinations of phasing and also found to be phased for lowest field values so should remain as is. The SDG&E proposed 230kV extension tielines were modeled with various phase combinations and it was found if TL23030 were reverse phased C-B-A(top-to-bottom) from TL23007 A-B-C(top-to-bottom) a reduction was achieved at the edge of ROW for SEG 1b – SEG 3b. However, TL23030 should remain as is, since the southerly termination of that circuit is at Escondido Substation, which is out of scope of this Proposed Project. TL23030 also shares common structures with other transmission lines within the corridor between Talega Substation and Escondido Substation, which were phased for lowest field values at ROW in previous FMPs. Also, do to safety issues that may arise when “fault tracking” a tieline from either substation it ties into, any phase change of a tieline must be done as it connects to the rack at each substation it terminates at. Therefore this option was discarded.

Increasing structure height: The design pole height required to maintain minimum 30 foot sag (distance from ground) for 230kV tielines was used for the new 230kV double circuit steel poles in SEG 1b, SEG 3a, and SEG 3b. Some structure heights were increased to maintain or increase sag distance from ground to the circuit by design due to the contour of the land they travel over. Increasing pole height, which will increase sag height, would not be a “no-cost” option but a “low-cost” option. To adopt a “low-cost” option, the calculated reduction at one edge-of-ROW, must be at least 15% and the other edge-of-ROW must not increase in milligauss value. Modeling was done to try to get an additional 15% reduction at edge-of-ROW for these overhead Segments, which includes residential, commercial/industrial, and undeveloped land use, and the structure height would have to increase an additional 8 feet (38 feet minimum sag). Therefore, increasing structure height was recommended as a low-cost measure for SEG 1b, 3a and 3b. (see “Magnetic Field Reduction Measures Recommended for the Project” below).

For SEG 4, there are no structures for at least 400 feet on land north of SEG 4, and for at least 1,000 feet on the east and south sides. To the west is a golf course, on which the nearest structure is more than 1,000 feet away. Due to the adjacent land uses to the north, east and south and the complexity of placement of the transmission lines in this segment, increasing structure heights to reduce magnetic fields was rejected for Segment 4.

Increasing trench depth: Designed depth of the underground duct bank for TL13847, TL13837 in SEG1a, and the new 230kV tielines, TL23007 and TL23030 in SEG 2, is the standard 3 feet top-of-conduit. Going beyond this depth would not be a “no-cost” option but a “low-cost” option.

Land uses adjacent to SEG 1a includes residential and a community park; land uses adjacent to SEG 2 include San Juan Hills high school.

Magnetic field modeling showed that the trench depth would have to increase approximately 5 feet for SEG 1a (8 feet top-of-conduit), and approximately 3 feet for Segment 2 (6 feet-top-of-conduit), to achieve a 15% reduction at the edge of ROW. Therefore, increasing trench depth was recommended as a low-cost measure for Segments 1a and 2. (see “Magnetic Field Reduction Measures Recommended for the Project” below)

VII. Magnetic Field Reduction Measures Recommended for the Transmission Portion of the Proposed Project

Reduction of magnetic field values by increasing structure height and increasing trench depth field reduction techniques were adopted as viable methods to reduce magnetic fields at the edge-of-ROW for the Proposed Project. For the percentage of magnetic field reduction see tables located in “*Section VIII. - Summary of Calculated Magnetic Field Levels.*” The recommended field reduction techniques are:

A. “No-Cost” Field Management Technique:

There are no “no-cost” magnetic field reduction techniques recommended for this Project.

B. “Low-Cost” Field Management Technique:

After discussing increasing structure height and increasing trench depth field reduction techniques with Transmission Engineering, the following was selected for most viable “low-cost” techniques to reduce magnetic fields:

SEG 1a: Modeling was done to try to get an additional 15% reduction at edge-of-easement for SEG 1a, which includes residential land use and a community park, and the depth would have to increase to approximately **8 feet top-of-conduit.**

SEG 1b: Modeling was done to try to get an additional 15% reduction at edge-of-ROW for SEG 1b, which includes residential and undeveloped land use, and the structure height would have to increase an additional **8 feet (38 feet minimum sag).**

SEG 2: Modeling was done to try to get an additional 15% reduction in SEG 2, which goes past San Juan Hills High School, by making the 230kV duct banks deeper, and the depth would have to increase to approximately **6 feet top-of-conduit.**

SEG 3a: Modeling was done to try to get an additional 15% reduction at edge-of-ROW for SEG 3a, which includes residential, commercial/industrial, and undeveloped land use, and the structure height would have to increase an additional **8 feet (38 feet minimum sag).**

SEG 3b: Modeling was done to try to get an additional 15% reduction at edge-of-ROW for SEG 3b, which includes commercial/industrial, and undeveloped land use, and the structure height would have to increase an additional **8 feet (38 feet minimum sag).**

VIII. Summary of Calculated Magnetic Field Levels for the Transmission Portion of the Proposed Project

The following tables show the initial design and recommended (“low-cost”) design magnetic field values (milligauss) and the percent change for SEG1a – SEG 3b of the Proposed Project. A positive percentage value shows a reduction in milligauss, while a negative value shows an increase in milligauss from the initial design. The magnetic field values were calculated at the edges-of-ROWs, or edge-of-easement for all Segments. Since increasing structure height and increasing trench depth field reduction techniques were the only viable techniques, other modeling tables were not included. The location of the Segments and their corresponding land uses are included in the attached “Appendix 1”.

Table 2: Segment 1a – Underground TL13847 and TL13837 west of Capistrano Substation.

SEGMENT 1a		Make Underground Deeper				
Underground 13847_13837 west of Capistrano Substation						
INITIAL	DESIGN		Low-Cost	Design	Percent (%)	
TL13847	(A-B-C)t-b				milligauss	
TL13837	(C-B-A)t-b				Reduction	
3 foot Top-Of-Conduit			Make 5 feet deeper (8 ft. TOC)			
North	South		North	South	North	South
2.71	2.71		2.21	2.21	18.5%	18.5%

- Residential land use. Community Park on north edge-of-easement.
- Length = approx. 600 feet, 60 foot wide SDG&E easement
- Make trench 5 ft. deeper, making TOC 8 ft.
- See “**Appendix 1 – Segment 1a**” attached for further detail.

Table 3: Segment 1b – Overhead TL23007 and TL23030 from Capistrano Substation east to Rancho San Juan residential development.

SEGMENT 1b		Raise SAG Height					
Overhead- Capistrano Substation east to Rancho San Juan UG							
INITIAL		DESIGN		Low-Cost Design		Percent (%)	
TL13816	C-B-A (t-b)					milligauss Reduction	
TL13848	A-B-C (t-b)						
TL23030	A-B-C (t-b)						
TL23007	A-B-C (t-b)						
				Raise by 8 feet			
North	South			North	South	North	South
13.84	32.26			12.68	27.32	8.4%	15.3%

- Residential and undeveloped land use.
- Length = approx. 2.7 miles, 150 ft. wide SDG&E ROW
- Increase structure height 8 ft.
- See “**Appendix 1 – Segment 1b**” attached for further detail

Table 4: Segment 2 – Underground at Rancho San Juan residential development within franchise of Vista Montana between Via Pamplona and La Pata Avenue

SEGMENT 2		Make Underground Deeper				
Rancho San Juan - Underground						
INITIAL	DESIGN		Low-Cost	Design	Percent (%) milligauss Reduction	
	TL23030		A-B-C (t-b)			
	TL23030		A-B-C (t-b)			
	TL13816		C-B-A (t-b)			
	TL13848		A-B-C (t-b)			
	TL23007		A-B-C (t-b)			
	TL23007		A-B-C (t-b)			
		Make 3 feet deeper (6ft. TOC)				
North	South		North	South	North	South
3.16	14.16		2.95	11.83	6.6%	16.5%

- Residential land use. Goes past San Juan Hills High School to the north.
- Length = approx. 0.4 miles, within franchise Vista Montana
- Increasing the depth by 3 ft. (6 ft. TOC)
- See “**Appendix 1 – Segment 2**” attached for further detail.

Table 5: Segment 3a – Overhead from Rancho San Juan Underground to Pico Substation

SEGMENT 3a		Raise SAG Height					
Overhead- Rancho San Juan UG - Pico Substation							
	INITIAL DESIGN			Low-Cost Design		Percent (%) milligauss Reduction	
	TL13816	C-B-A (t-b)					
	TL13847	A-B-C (t-b)					
	TL23030	A-B-C (t-b)					
	TL23007	A-B-C (t-b)					
				Raise by 8 feet			
	<u>East</u>	<u>West</u>		<u>East</u>	<u>West</u>	<u>East</u>	<u>West</u>
	13.84	32.26		12.68	27.32	8.4%	15.3%

- Commercial/industrial and residential land use
- Length = approx. 3.4 miles, 150ft. wide SDG&E ROW
- Increasing structure height 8 ft.
- See “Appendix 1 – Segment 3a” attached for further detail.

Table 6: Segment 3b – Overhead from Pico Substation to Talega Hub.

SEGMENT 3b		Raise SAG Height					
Overhead-Pico Substation - Talega Hub							
	INITIAL DESIGN			Low-Cost Design		Percent (%) milligauss Reduction	
	TL13836	C-B-A (t-b)					
	TL13846	A-B-C (t-b)					
	TL23030	A-B-C (t-b)					
	TL23007	A-B-C (t-b)					
				Raise by 8 feet			
	East	West		East	West	East	West
	18.02	32.80		16.79	27.80	6.8%	15.2%

- Commercial/Industrial and undeveloped land use.
- Length = approx. 0.8 miles, 150ft. wide SDG&E ROW
- Increasing structure height 8 ft.
- See “Appendix 1 – Segment 3b” attached for further detail.

IX. Simplified Field Management Plan Checklist for the San Juan Capistrano Substation Portion of the Proposed Project

Generally, magnetic field values along the substation perimeter are low compared to the substation interior because of the distance to the energized equipment. Normally, the highest values of magnetic fields around the perimeter of a substation are caused by overhead power lines and underground duct banks entering and leaving the substation, and not by substation equipment. Therefore, the magnetic field reduction measures generally applicable to a substation project are as follows:

- Site selection for a new substation;
- Setback of substation structures and major substation equipment (such as bus, transformers, and underground cable duct banks, etc.) from perimeter;
- Field reduction for transmission lines entering and exiting the substation.

The Substation Checklist FMP evaluates the no-cost and low-cost measures considered for the substation project, the measures adopted, and reasons that certain measures were not adopted.

No.	No-Cost and Low-Cost Magnetic Field Reduction Measures Evaluated for a Substation Project	Measure Adopted? (Yes/No)	Reason(s) if not Adopted
1	Keep high current devices, transformers, capacitors, and reactors, away from the substation property lines by bringing into the substation property as much as possible.	Yes	
2	For underground duct banks, the minimum distance should be 12 feet from the adjacent property lines or to the extent practical.	Yes	
3	Locate new substations close to existing transmission line rights-of-way to the extent practical.	Yes	
4	Increase the substation property boundary to the extent practical.	Yes	
5	Other:		

Prepared By:

S.C. Campbell
Substation Engineering Team Lead

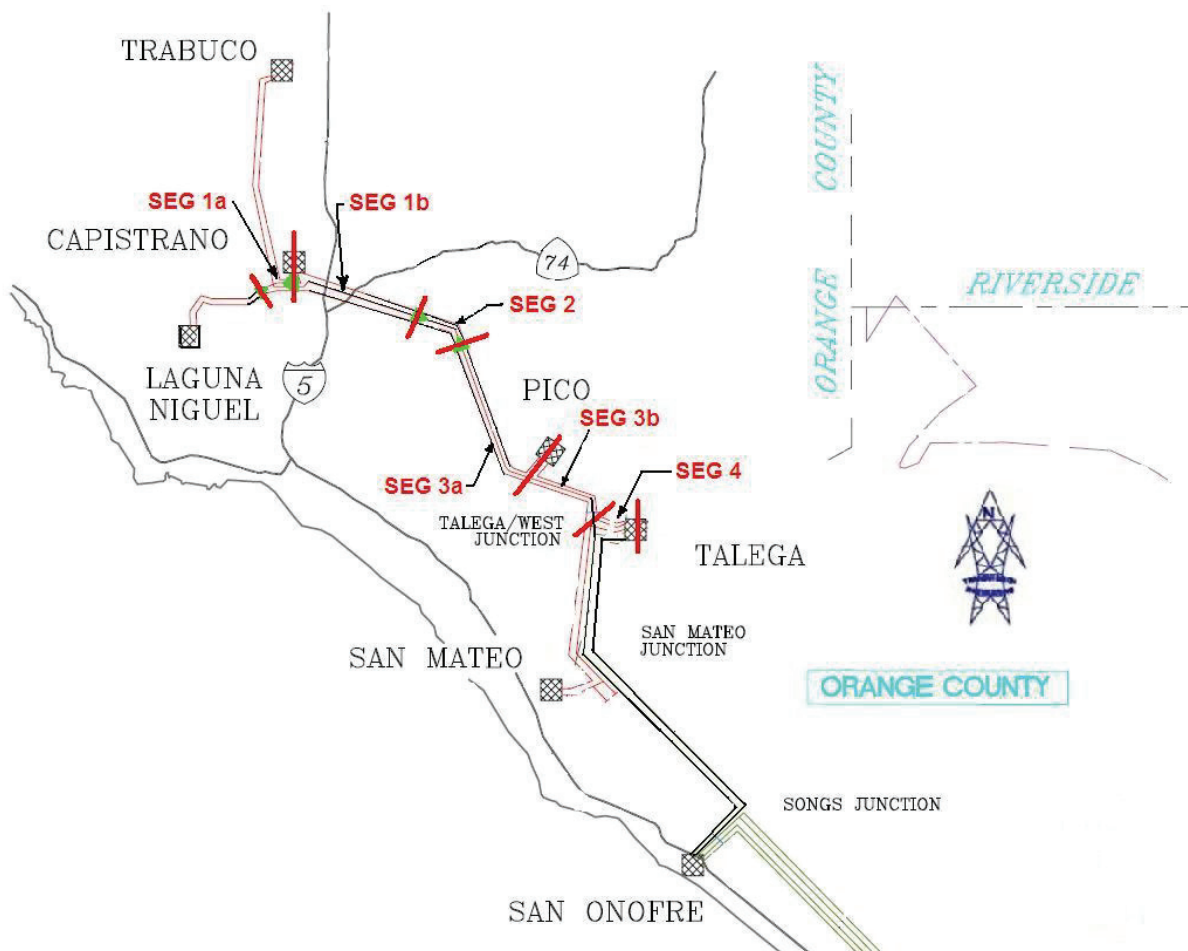
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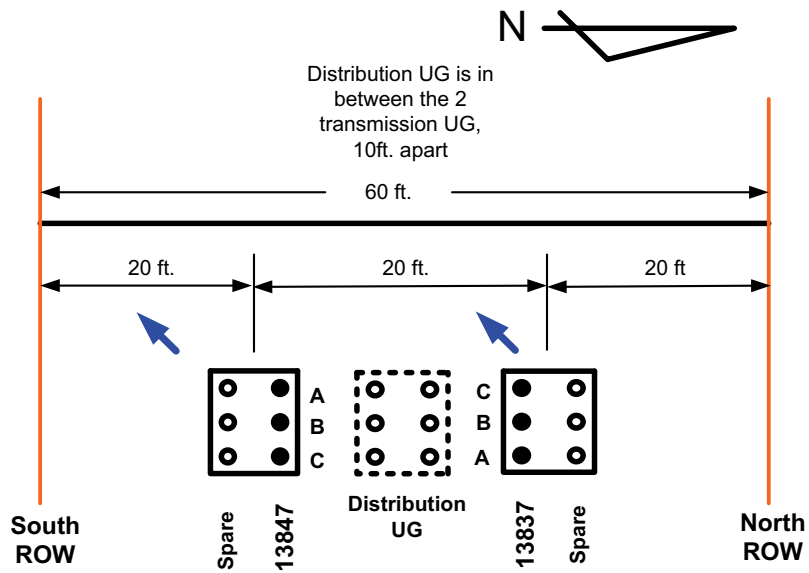
April 24, 2012

Appendix 1

South Orange County Reliability Enhancement Project

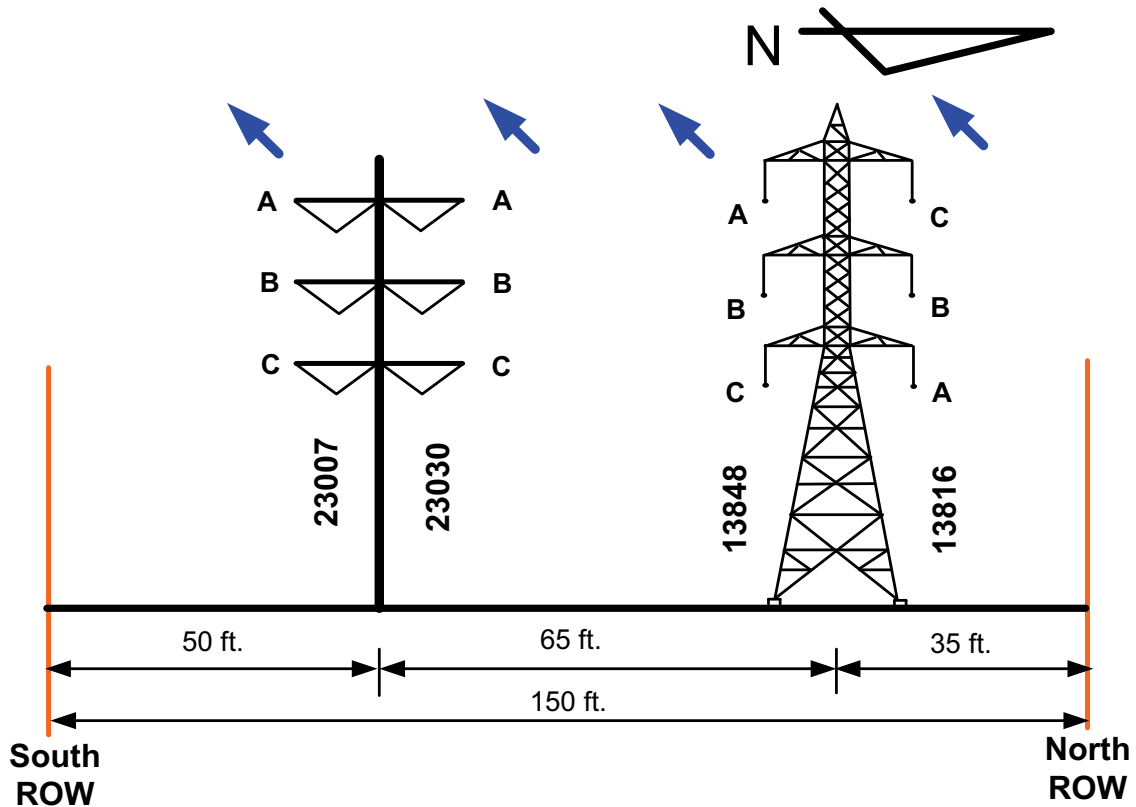
Segment Map





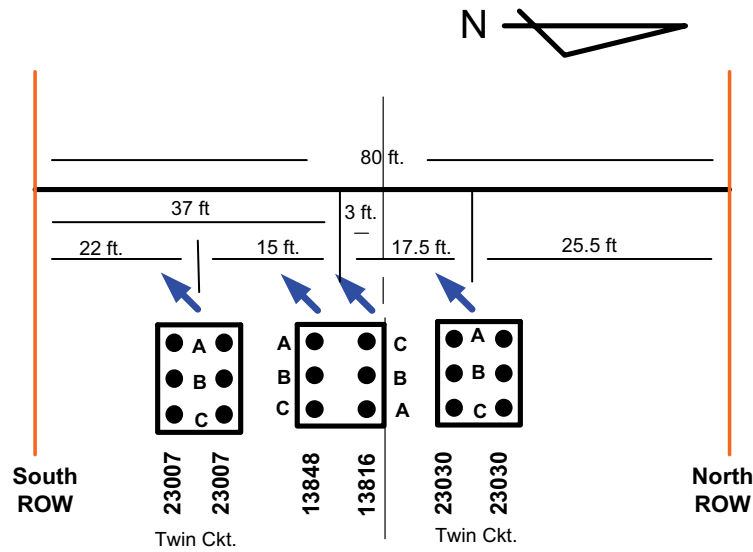
Segment 1a – Initial Design

Approximate Location:	Underground getaway west of Capistrano Substation
Transmission Circuits:	TL13847, TL13837
Land Use:	Residential
Length:	600 ft.
Right-of-Way Width:	60 ft.



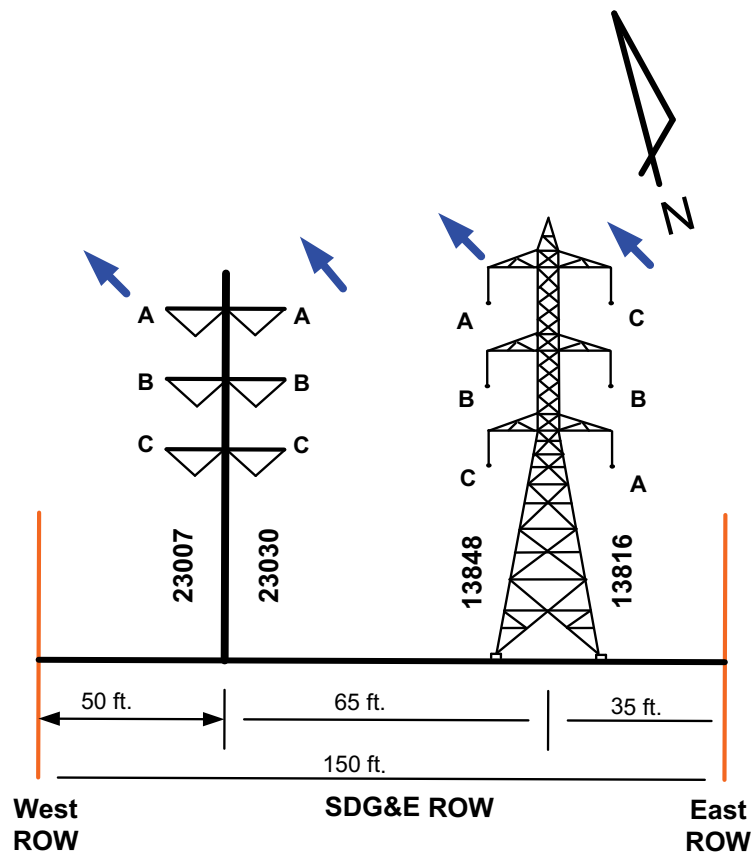
Segment 1b – Initial Design

Approximate Location:	Overhead- east of Capistrano Substation to Rancho San Juan UG
Transmission Circuits:	TL13816, TL13848, TL23030, TL23007
Land Use:	Residential, Undeveloped
Length:	2.7mi.
Right-of-Way Width:	150 ft.



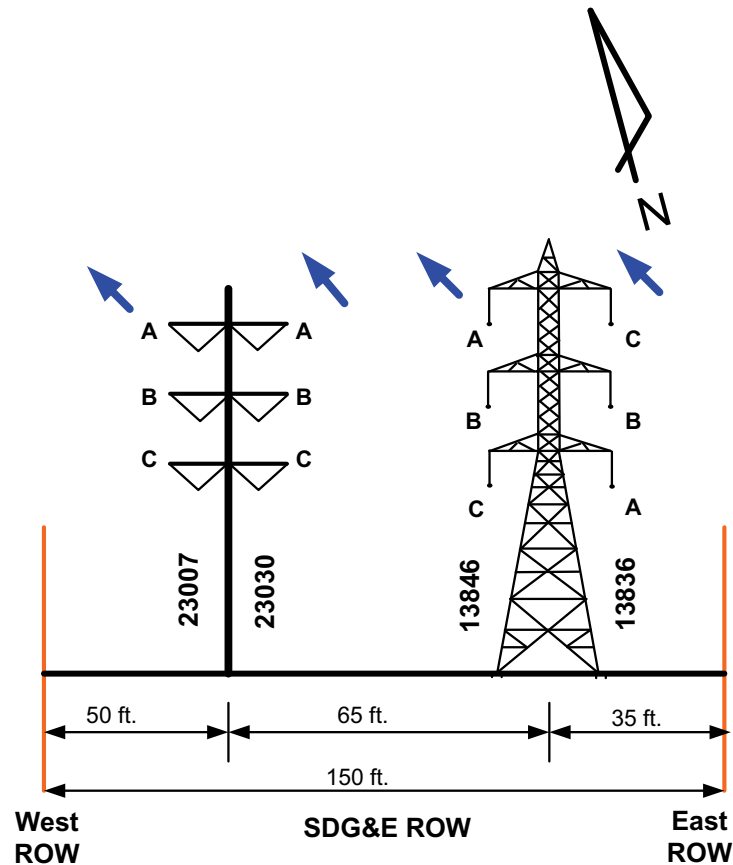
Segment 2 – Initial Design

Approximate Location:	Underground within Vista Montana between Via Pamplona and La Pata Avenue at Rancho San Juan
Transmission Circuits:	TL23030, TL13816, TL13848, TL23007
Land Use:	Residential, School (San Juan Hills High School)
Length:	0.40 mi.
Right-of-Way Width:	80 ft., within franchise Vista Montana



Segment 3a – Initial Design

Approximate Location:	Overhead - from Rancho San Juan UG to Pico Substation
Transmission Circuits:	TL13816, TL13848, TL23030, TL23007
Land Use:	Residential, Commercial/Industrial, Undeveloped
Length:	3.4 mi.
Right-of-Way Width:	150 ft.



Segment 3b – Initial Design

Approximate Location:	Overhead - Pico Substation to Talega Hub
Transmission Circuits:	TL13836, TL13846, TL23030, TL23007
Land Use:	Residential, Commercial/Industrial, Undeveloped
Length:	0.8 mi.
Right-of-Way Width:	150 ft.

Segment 4 – Initial Design

Due to the complex nature of Segment 4, and that adjacent land use out a minimum of 400 feet is undeveloped land or Camp Pendleton Military Base modeling was not required and a profile was not needed.

Approximate Location:	Talega Hub to Talega Substation
Transmission Circuits:	Many
Land Use:	Undeveloped, Camp Pendleton Military Base
Length:	TL23007 (approx. 600 ft.), TL23030 (approx. 2,630 ft.)
Right-of-Way Width:	200 ft. for Talega Hub, 150 ft. for SDG&E corridor

APPENDIX I
Financial Statements

SAN DIEGO GAS & ELECTRIC COMPANY
BALANCE SHEET
ASSETS AND OTHER DEBITS
DECEMBER 31, 2011

1. UTILITY PLANT		<u>2011</u>
101	UTILITY PLANT IN SERVICE	\$11,473,464,003
102	UTILITY PLANT PURCHASED OR SOLD	23,628
105	PLANT HELD FOR FUTURE USE	72,657,994
106	COMPLETED CONSTRUCTION NOT CLASSIFIED	-
107	CONSTRUCTION WORK IN PROGRESS	1,881,155,766
108	ACCUMULATED PROVISION FOR DEPRECIATION OF UTILITY PLANT	(4,668,702,166)
111	ACCUMULATED PROVISION FOR AMORTIZATION OF UTILITY PLANT	(207,174,288)
118	OTHER UTILITY PLANT	686,452,522
119	ACCUMULATED PROVISION FOR DEPRECIATION AND AMORTIZATION OF OTHER UTILITY PLANT	(180,442,429)
120	NUCLEAR FUEL - NET	<u>85,150,655</u>
TOTAL NET UTILITY PLANT		<u>9,142,585,685</u>
2. OTHER PROPERTY AND INVESTMENTS		
121	NONUTILITY PROPERTY	5,134,697
122	ACCUMULATED PROVISION FOR DEPRECIATION AND AMORTIZATION OF NONUTILITY PROPERTY	(563,398)
123	INVESTMENTS IN SUBSIDIARY COMPANIES	-
124	OTHER INVESTMENTS	-
125	SINKING FUNDS	-
128	OTHER SPECIAL FUNDS	<u>804,052,604</u>
TOTAL OTHER PROPERTY AND INVESTMENTS		<u>808,623,903</u>

Data from SPL as of April 18, 2012

SAN DIEGO GAS & ELECTRIC COMPANY
BALANCE SHEET
ASSETS AND OTHER DEBITS
DECEMBER 31, 2011

3. CURRENT AND ACCRUED ASSETS		2011
131	CASH	2,559,656
132	INTEREST SPECIAL DEPOSITS	-
134	OTHER SPECIAL DEPOSITS	13,884,234
135	WORKING FUNDS	500
136	TEMPORARY CASH INVESTMENTS	14,000,000
141	NOTES RECEIVABLE	-
142	CUSTOMER ACCOUNTS RECEIVABLE	201,962,791
143	OTHER ACCOUNTS RECEIVABLE	23,148,423
144	ACCUMULATED PROVISION FOR UNCOLLECTIBLE ACCOUNTS	(3,606,250)
145	NOTES RECEIVABLE FROM ASSOCIATED COMPANIES	8
146	ACCOUNTS RECEIVABLE FROM ASSOCIATED COMPANIES	64,640,130
151	FUEL STOCK	6,113,859
152	FUEL STOCK EXPENSE UNDISTRIBUTED	-
154	PLANT MATERIALS AND OPERATING SUPPLIES	73,377,571
156	OTHER MATERIALS AND SUPPLIES	-
163	STORES EXPENSE UNDISTRIBUTED	5,945
164	GAS STORED	311,252
165	PREPAYMENTS	136,953,363
171	INTEREST AND DIVIDENDS RECEIVABLE	4,038,243
173	ACCRUED UTILITY REVENUES	60,831,000
174	MISCELLANEOUS CURRENT AND ACCRUED ASSETS	13,430,767
175	DERIVATIVE INSTRUMENT ASSETS	33,398,839
	TOTAL CURRENT AND ACCRUED ASSETS	645,050,331
4. DEFERRED DEBITS		
181	UNAMORTIZED DEBT EXPENSE	33,297,650
182	UNRECOVERED PLANT AND OTHER REGULATORY ASSETS	2,346,413,370
183	PRELIMINARY SURVEY & INVESTIGATION CHARGES	4,546,570
184	CLEARING ACCOUNTS	330,310
185	TEMPORARY FACILITIES	-
186	MISCELLANEOUS DEFERRED DEBITS	22,249,416
188	RESEARCH AND DEVELOPMENT	-
189	UNAMORTIZED LOSS ON REACQUIRED DEBT	19,627,244
190	ACCUMULATED DEFERRED INCOME TAXES	212,020,753
	TOTAL DEFERRED DEBITS	2,638,485,313
	TOTAL ASSETS AND OTHER DEBITS	13,234,745,232

Data from SPL as of April 18, 2012

SAN DIEGO GAS & ELECTRIC COMPANY
BALANCE SHEET
LIABILITIES AND OTHER CREDITS
DECEMBER 31, 2011

5. PROPRIETARY CAPITAL

	<u>2011</u>
201 COMMON STOCK ISSUED	(\$291,458,395)
204 PREFERRED STOCK ISSUED	(78,475,400)
207 PREMIUM ON CAPITAL STOCK	(592,222,753)
210 GAIN ON RETIRED CAPITAL STOCK	-
211 MISCELLANEOUS PAID-IN CAPITAL	(479,672,485)
214 CAPITAL STOCK EXPENSE	25,688,571
216 UNAPPROPRIATED RETAINED EARNINGS	(2,412,437,103)
219 ACCUMULATED OTHER COMPREHENSIVE INCOME	<u>10,484,701</u>
 TOTAL PROPRIETARY CAPITAL	 <u>(3,818,092,864)</u>

6. LONG-TERM DEBT

221 BONDS	(3,286,905,000)
223 ADVANCES FROM ASSOCIATED COMPANIES	-
224 OTHER LONG-TERM DEBT	(253,720,000)
225 UNAMORTIZED PREMIUM ON LONG-TERM DEBT	-
226 UNAMORTIZED DISCOUNT ON LONG-TERM DEBT	<u>11,024,429</u>
 TOTAL LONG-TERM DEBT	 <u>(3,529,600,571)</u>

7. OTHER NONCURRENT LIABILITIES

227 OBLIGATIONS UNDER CAPITAL LEASES - NONCURRENT	(702,255,240)
228.2 ACCUMULATED PROVISION FOR INJURIES AND DAMAGES	(51,806,170)
228.3 ACCUMULATED PROVISION FOR PENSIONS AND BENEFITS	(350,773,481)
228.4 ACCUMULATED MISCELLANEOUS OPERATING PROVISIONS	-
230 ASSET RETIREMENT OBLIGATIONS	<u>(696,986,890)</u>
 TOTAL OTHER NONCURRENT LIABILITIES	 <u>(1,801,821,781)</u>

Data from SPL as of April 18, 2012

SAN DIEGO GAS & ELECTRIC COMPANY
BALANCE SHEET
LIABILITIES AND OTHER CREDITS
DECEMBER 31, 2011

8. CURRENT AND ACCRUED LIABILITIES		<u>2011</u>
231	NOTES PAYABLE	-
232	ACCOUNTS PAYABLE	(404,688,334)
233	NOTES PAYABLE TO ASSOCIATED COMPANIES	-
234	ACCOUNTS PAYABLE TO ASSOCIATED COMPANIES	(14,213,562)
235	CUSTOMER DEPOSITS	(61,588,110)
236	TAXES ACCRUED	(1,533,340)
237	INTEREST ACCRUED	(38,983,651)
238	DIVIDENDS DECLARED	(1,204,917)
241	TAX COLLECTIONS PAYABLE	(4,689,426)
242	MISCELLANEOUS CURRENT AND ACCRUED LIABILITIES	(748,127,176)
243	OBLIGATIONS UNDER CAPITAL LEASES - CURRENT	(35,165,036)
244	DERIVATIVE INSTRUMENT LIABILITIES	(217,397,394)
245	DERIVATIVE INSTRUMENT LIABILITIES - HEDGES	-
TOTAL CURRENT AND ACCRUED LIABILITIES		<u>(1,527,590,946)</u>
9. DEFERRED CREDITS		
252	CUSTOMER ADVANCES FOR CONSTRUCTION	(15,219,412)
253	OTHER DEFERRED CREDITS	(144,677,073)
254	OTHER REGULATORY LIABILITIES	(943,419,991)
255	ACCUMULATED DEFERRED INVESTMENT TAX CREDITS	(25,802,894)
257	UNAMORTIZED GAIN ON REACQUIRED DEBT	-
281	ACCUMULATED DEFERRED INCOME TAXES - ACCELERATED	(5,201,256)
282	ACCUMULATED DEFERRED INCOME TAXES - PROPERTY	(1,082,826,482)
283	ACCUMULATED DEFERRED INCOME TAXES - OTHER	(340,491,962)
TOTAL DEFERRED CREDITS		<u>(2,557,639,070)</u>
TOTAL LIABILITIES AND OTHER CREDITS		<u><u>(\$13,234,745,232)</u></u>

Data from SPL as of April 18, 2012

SAN DIEGO GAS & ELECTRIC COMPANY
FINANCIAL STATEMENT
DECEMBER 31, 2011

(a) Amounts and Kinds of Stock Authorized:

Preferred Stock	1,375,000	shares	Par Value \$27,500,000
Preferred Stock	10,000,000	shares	Without Par Value
Preferred Stock	Amount of shares not specified		\$80,000,000
Common Stock	255,000,000	shares	Without Par Value

Amounts and Kinds of Stock Outstanding:

PREFERRED STOCK

5.0%	375,000	shares	\$7,500,000
4.50%	300,000	shares	6,000,000
4.40%	325,000	shares	6,500,000
4.60%	373,770	shares	7,475,400
\$1.70	1,400,000	shares	35,000,000
\$1.82	640,000	shares	16,000,000

COMMON STOCK

116,583,358	shares	291,458,395
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(b) Terms of Preferred Stock:

Full information as to this item is given in connection with Application Nos. 93-09-069, 04-01-009, 06-05-015 and 10-10-023 to which references are hereby made.

(c) Brief Description of Mortgage:

Full information as to this item is given in Application Nos. 08-07-029 and 10-10-023 to which references are hereby made.

(d) Number and Amount of Bonds Authorized and Issued:

	Nominal Date of Issue	Par Value Authorized and Issued	Outstanding	Interest Paid in 2011
<u>First Mortgage Bonds:</u>				
6.8% Series KK, due 2015	12-01-91	14,400,000	14,400,000	979,200
Var% Series OO, due 2027	12-01-92	250,000,000	150,000,000	7,612,500
5.85% Series RR, due 2021	06-29-93	60,000,000	60,000,000	3,510,000
2.539% Series VV, due 2034	06-17-04	43,615,000	43,615,000	2,562,373
2.539% Series WW, due 2034	06-17-04	40,000,000	40,000,000	2,349,999
2.516% Series XX, due 2034	06-17-04	35,000,000	35,000,000	2,056,249
2.832% Series YY, due 2034	06-17-04	24,000,000	24,000,000	1,409,999
2.832% Series ZZ, due 2034	06-17-04	33,650,000	33,650,000	1,976,936
2.8275% Series AAA, due 2039	06-17-04	75,000,000	75,000,000	134,561
5.35% Series BBB, due 2035	05-19-05	250,000,000	250,000,000	13,375,000
5.30% Series CCC, due 2015	11-17-05	250,000,000	250,000,000	13,250,000
6.00% Series DDD, due 2026	06-08-06	250,000,000	250,000,000	15,000,000
Var Series EEE, due 2018	09-21-06	161,240,000	161,240,000	324,863
6.125% Series FFF, due 2037	09-20-07	250,000,000	250,000,000	15,312,500
6.00% Series GGG, due 2039	05-14-09	300,000,000	300,000,000	18,000,000
5.35% Series HHH, due 2040	05-13-10	250,000,000	250,000,000	13,375,000
4.50% Series III, due 2040	08-15-10	500,000,000	500,000,000	21,812,500
3.00% Series JJJ, due 2021	08-18-11	350,000,000	350,000,000	0
3.95% Series LLL, due 2041	11-17-11	250,000,000	250,000,000	0
<u>Unsecured Bonds:</u>				
5.9% CPCFA96A, due 2014	06-01-96	129,820,000	129,820,000	7,659,380
5.3% CV96A, due 2021	08-02-96	38,900,000	38,900,000	2,061,700
5.5% CV96B, due 2021	11-21-96	60,000,000	60,000,000	3,300,000
4.9% CV97A, due 2023	10-31-97	25,000,000	25,000,000	1,225,000

SAN DIEGO GAS & ELECTRIC COMPANY
FINANCIAL STATEMENT
DECEMBER 31, 2011

<u>Other Indebtedness:</u>	Date of <u>Issue</u>	Date of <u>Maturity</u>	Interest <u>Rate</u>	<u>Outstanding</u>	Interest Paid <u>2011</u>
Commercial Paper & ST Bank Loans	Various	Various	Various	0	\$0

Amounts and Rates of Dividends Declared:

The amounts and rates of dividends during the past five fiscal years are as follows:

Preferred Stock	Shares Outstanding 12-31-11	Dividends Declared				
		2007	2008	2009	2010	2011
5.0%	375,000	\$375,000	\$375,000	\$375,000	\$375,000	\$375,000
4.50%	300,000	270,000	270,000	270,000	270,000	270,000
4.40%	325,000	286,000	286,000	286,000	286,000	286,000
4.60%	373,770	343,868	343,868	343,868	343,868	343,868
\$ 1.7625	0	969,375	242,344	0	0	0
\$ 1.70	1,400,000	2,380,000	2,380,000	2,380,000	2,380,000	2,380,000
\$ 1.82	640,000	1,164,800	1,164,800	1,164,800	1,164,800	1,164,800
	<u>3,413,770</u>	<u>\$5,789,043</u>	<u>\$5,062,012</u>	<u>\$4,819,668</u>	<u>\$4,819,668</u>	<u>\$4,819,668</u>

Common Stock

Dividend to Parent	\$0	\$0	\$150,000,000 [2]
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A balance sheet and a statement of income and retained earnings of Applicant for the twelve months ended December 31, 2011 are attached hereto.

[1] Includes \$242,344 of interest expense related to redeemable preferred stock.

[2] San Diego Gas & Electric Company dividend to parent.

SAN DIEGO GAS & ELECTRIC COMPANY
STATEMENT OF INCOME AND RETAINED EARNINGS
TWELVE MONTHS ENDED DECEMBER 31, 2011

1. UTILITY OPERATING INCOME

400	OPERATING REVENUES		\$3,920,072,346
401	OPERATING EXPENSES	\$2,548,420,220	
402	MAINTENANCE EXPENSES	169,100,350	
403-7	DEPRECIATION AND AMORTIZATION EXPENSES	400,326,063	
408.1	TAXES OTHER THAN INCOME TAXES	78,842,822	
409.1	INCOME TAXES	11,668,040	
410.1	PROVISION FOR DEFERRED INCOME TAXES	436,912,279	
411.1	PROVISION FOR DEFERRED INCOME TAXES - CREDIT	(161,242,554)	
411.4	INVESTMENT TAX CREDIT ADJUSTMENTS	777,249	
411.6	GAIN FROM DISPOSITION OF UTILITY PLANT	(104,354)	
	TOTAL OPERATING REVENUE DEDUCTIONS		3,484,700,115
	NET OPERATING INCOME		435,372,231

2. OTHER INCOME AND DEDUCTIONS

415	REVENUE FROM MERCHANDISING, JOBBING AND CONTRACT WORK	-	
417.1	EXPENSES OF NONUTILITY OPERATIONS	(35,466)	
418	NONOPERATING RENTAL INCOME	425,858	
418.1	EQUITY IN EARNINGS OF SUBSIDIARIES	-	
419	INTEREST AND DIVIDEND INCOME	3,105,382	
419.1	ALLOWANCE FOR OTHER FUNDS USED DURING CONSTRUCTION	79,674,257	
421	MISCELLANEOUS NONOPERATING INCOME	1,434,240	
421.1	GAIN ON DISPOSITION OF PROPERTY	289,569	
	TOTAL OTHER INCOME	84,893,840	
421.2	LOSS ON DISPOSITION OF PROPERTY	-	
426	MISCELLANEOUS OTHER INCOME DEDUCTIONS	2,726,802	
	TOTAL OTHER INCOME DEDUCTIONS	2,726,802	
408.2	TAXES OTHER THAN INCOME TAXES	503,107	
409.2	INCOME TAXES	(64,618,213)	
410.2	PROVISION FOR DEFERRED INCOME TAXES	13,349,882	
411.2	PROVISION FOR DEFERRED INCOME TAXES - CREDIT	0	
	TOTAL TAXES ON OTHER INCOME AND DEDUCTIONS	(50,765,224)	
	TOTAL OTHER INCOME AND DEDUCTIONS		132,932,262
	INCOME BEFORE INTEREST CHARGES		568,304,493
	NET INTEREST CHARGES*		132,203,104
	NET INCOME		\$436,101,389

*NET OF ALLOWANCE FOR BORROWED FUNDS USED DURING CONSTRUCTION, (10,071,740)

SAN DIEGO GAS & ELECTRIC COMPANY
STATEMENT OF INCOME AND RETAINED EARNINGS
TWELVE MONTHS ENDED DECEMBER 31, 2011

3. RETAINED EARNINGS

RETAINED EARNINGS AT BEGINNING OF PERIOD, AS PREVIOUSLY REPORTED	\$1,981,155,383
NET INCOME (FROM PRECEDING PAGE)	436,101,389
DIVIDEND TO PARENT COMPANY	-
DIVIDENDS DECLARED - PREFERRED STOCK	(4,819,669)
OTHER RETAINED EARNINGS ADJUSTMENTS	
RETAINED EARNINGS AT END OF PERIOD	<u>\$2,412,437,103</u>

SAN DIEGO GAS & ELECTRIC COMPANY

**COST OF PROPERTY AND
DEPRECIATION RESERVE APPLICABLE THERETO
AS OF DECEMBER 31, 2011**

<u>No.</u>	<u>Account</u>	<u>Original Cost</u>	<u>Reserve for Depreciation and Amortization</u>
ELECTRIC DEPARTMENT			
302	Franchises and Consents	\$ 222,841	\$ 202,900
303	Misc. Intangible Plant	10,063,087	3,216,144
	TOTAL INTANGIBLE PLANT	10,285,928	3,419,044
310.1	Land	14,526,518	46,518
310.2	Land Rights	0	0
311	Structures and Improvements	80,889,335	26,031,715
312	Boiler Plant Equipment	162,934,540	43,962,897
314	Turbogenerator Units	112,737,442	28,996,670
315	Accessory Electric Equipment	80,702,642	23,040,463
316	Miscellaneous Power Plant Equipment	23,790,110	4,907,181
	Steam Production Decommissioning	0	0
	TOTAL STEAM PRODUCTION	475,580,588	126,985,445
320.1	Land	0	0
320.2	Land Rights	283,677	283,677
321	Structures and Improvements	275,548,378	270,229,567
322	Boiler Plant Equipment	553,558,481	409,330,027
323	Turbogenerator Units	142,362,919	136,764,746
324	Accessory Electric Equipment	173,081,736	167,279,092
325	Miscellaneous Power Plant Equipment	311,721,011	232,885,231
107	ICIP CWIP	0	0
	TOTAL NUCLEAR PRODUCTION	1,456,556,203	1,216,772,341
340.1	Land	143,476	0
340.2	Land Rights	2,428	2,428
341	Structures and Improvements	18,531,032	2,805,878
342	Fuel Holders, Producers & Accessories	19,764,808	3,648,913
343	Prime Movers	72,001,094	15,773,097
344	Generators	318,922,349	71,029,156
345	Accessory Electric Equipment	30,834,379	5,858,522
346	Miscellaneous Power Plant Equipment	22,723,544	8,534,385
	TOTAL OTHER PRODUCTION	482,923,110	107,652,379
	TOTAL ELECTRIC PRODUCTION	2,415,059,900	1,451,410,164

<u>No.</u>	<u>Account</u>	<u>Original Cost</u>	<u>Reserve for Depreciation and Amortization</u>
350.1	Land	\$ 40,781,313	\$ 0
350.2	Land Rights	63,342,464	11,860,192
352	Structures and Improvements	114,209,757	34,347,361
353	Station Equipment	717,546,009	151,782,177
354	Towers and Fixtures	110,186,988	84,637,349
355	Poles and Fixtures	232,493,071	45,936,707
356	Overhead Conductors and Devices	287,571,913	166,382,164
357	Underground Conduit	136,727,462	22,233,764
358	Underground Conductors and Devices	125,792,671	24,474,578
359	Roads and Trails	34,042,577	6,502,048
	TOTAL TRANSMISSION	1,862,694,225	548,156,340
360.1	Land	16,176,228	0
360.2	Land Rights	73,872,149	31,984,962
361	Structures and Improvements	3,492,046	1,457,238
362	Station Equipment	392,072,128	78,100,654
364	Poles, Towers and Fixtures	496,208,352	215,921,468
365	Overhead Conductors and Devices	390,477,539	149,705,076
366	Underground Conduit	925,223,489	357,158,542
367	Underground Conductors and Devices	1,227,074,157	715,839,455
368.1	Line Transformers	476,182,642	80,064,706
368.2	Protective Devices and Capacitors	15,609,706	(8,073,777)
369.1	Services Overhead	117,828,925	122,271,469
369.2	Services Underground	300,988,925	206,300,184
370.1	Meters	196,182,798	(19,211,649)
370.2	Meter Installations	41,941,738	(28,508,768)
371	Installations on Customers' Premises	6,410,699	10,964,753
373.1	St. Lighting & Signal Sys.-Transformers	0	0
373.2	Street Lighting & Signal Systems	24,426,008	17,480,374
	TOTAL DISTRIBUTION PLANT	4,704,167,527	1,931,454,688
389.1	Land	7,523,627	0
389.2	Land Rights	0	0
390	Structures and Improvements	30,909,097	17,374,499
392.1	Transportation Equipment - Autos	0	49,884
392.2	Transportation Equipment - Trailers	58,146	609
393	Stores Equipment	19,150	17,279
394.1	Portable Tools	18,923,448	5,881,422
394.2	Shop Equipment	336,798	187,138
395	Laboratory Equipment	320,845	44,926
396	Power Operated Equipment	92,162	149,134
397	Communication Equipment	145,058,548	63,914,193
398	Miscellaneous Equipment	456,067	119,809
	TOTAL GENERAL PLANT	203,697,887	87,738,895
101	TOTAL ELECTRIC PLANT	9,195,905,467	4,022,179,131

<u>No.</u>	<u>Account</u>	<u>Original Cost</u>	<u>Reserve for Depreciation and Amortization</u>
GAS PLANT			
302	Franchises and Consents	\$ 86,104	\$ 86,104
303	Miscellaneous Intangible Plant	0	0
	TOTAL INTANGIBLE PLANT	86,104	86,104
360.1	Land	0	0
361	Structures and Improvements	43,992	43,992
362.1	Gas Holders	0	0
362.2	Liquefied Natural Gas Holders	0	0
363	Purification Equipment	0	0
363.1	Liquefaction Equipment	0	0
363.2	Vaporizing Equipment	0	0
363.3	Compressor Equipment	0	0
363.4	Measuring and Regulating Equipment	0	0
363.5	Other Equipment	0	0
363.6	LNG Distribution Storage Equipment	2,052,614	609,435
	TOTAL STORAGE PLANT	2,096,606	653,427
365.1	Land	4,649,144	0
365.2	Land Rights	2,217,185	1,185,799
366	Structures and Improvements	11,548,563	9,212,762
367	Mains	127,037,835	58,774,009
368	Compressor Station Equipment	77,622,210	54,184,859
369	Measuring and Regulating Equipment	17,746,259	14,024,850
371	Other Equipment	0	0
	TOTAL TRANSMISSION PLANT	240,821,196	137,382,278
374.1	Land	102,187	0
374.2	Land Rights	8,108,775	5,871,225
375	Structures and Improvements	43,447	61,253
376	Mains	542,247,078	312,442,494
378	Measuring & Regulating Station Equipment	13,415,668	6,543,045
380	Distribution Services	240,194,839	276,806,639
381	Meters and Regulators	135,350,074	34,586,537
382	Meter and Regulator Installations	86,034,140	24,206,913
385	Ind. Measuring & Regulating Station Equipm	1,516,811	978,655
386	Other Property On Customers' Premises	0	0
387	Other Equipment	5,234,851	4,527,697
	TOTAL DISTRIBUTION PLANT	1,032,247,869	666,024,459

<u>No.</u>	<u>Account</u>	<u>Original Cost</u>	<u>Reserve for Depreciation and Amortization</u>
392.1	Transportation Equipment - Autos	\$ 0	\$ 25,503
392.2	Transportation Equipment - Trailers	74,501	74,501
394.1	Portable Tools	7,147,205	2,918,169
394.2	Shop Equipment	84,181	31,350
395	Laboratory Equipment	283,094	214,578
396	Power Operated Equipment	162,284	77,359
397	Communication Equipment	1,693,847	1,172,098
398	Miscellaneous Equipment	243,605	100,503
	TOTAL GENERAL PLANT	9,688,717	4,614,061
101	TOTAL GAS PLANT	1,284,940,492	808,760,330
COMMON PLANT			
303	Miscellaneous Intangible Plant	171,087,039	85,454,781
350.1	Land	0	0
360.1	Land	0	0
389.1	Land	5,612,511	0
389.2	Land Rights	1,080,961	27,275
390	Structures and Improvements	222,262,727	94,792,863
391.1	Office Furniture and Equipment - Other	22,520,261	12,453,754
391.2	Office Furniture and Equipment - Computer E	54,844,563	25,186,387
392.1	Transportation Equipment - Autos	33,942	(338,930)
392.2	Transportation Equipment - Trailers	33,369	(12,547)
393	Stores Equipment	144,926	61,321
394.1	Portable Tools	1,216,895	116,238
394.2	Shop Equipment	284,834	165,789
394.3	Garage Equipment	1,231,487	128,526
395	Laboratory Equipment	2,392,911	949,607
396	Power Operated Equipment		(192,979)
397	Communication Equipment	91,490,227	45,840,831
398	Miscellaneous Equipment	2,230,094	768,918
118.1	TOTAL COMMON PLANT	576,466,749	265,401,834
	TOTAL ELECTRIC PLANT	9,195,905,467	4,022,179,131
	TOTAL GAS PLANT	1,284,940,492	808,760,330
	TOTAL COMMON PLANT	576,466,749	265,401,834
101 & 118.1	TOTAL	11,057,312,708	5,096,341,296
101	PLANT IN SERV-SONGS FULLY RECOVER	\$ (1,164,131,236)	\$ (1,164,131,236)
101	PLANT IN SERV-ELECTRIC NON-RECON Common	\$ 0	\$ (1,982,000)
101	PLANT IN SERV-LEGACY METER RECLASS Electric	\$ (22,682,664)	\$ 67,966,251
118	PLANT IN SERV-COMMON NON-RECON Common - Transferred Asset Adjustment	\$ (3,960,652)	\$ (3,960,652)

<u>No.</u>	<u>Account</u>	<u>Original Cost</u>	<u>Reserve for Depreciation and Amortization</u>
101	Accrual for Retirements		
	Electric	\$ (5,956,750)	\$ (5,956,750)
	Gas	(81,280)	(81,280)
	TOTAL PLANT IN SERV-NON RECON ACC1	(6,038,030)	(6,038,030)
102	Electric	23,628	0
	Gas	0	0
	TOTAL PLANT PURCHASED OR SOLD	23,628	0
105	Plant Held for Future Use		
	Electric	72,657,994	0
	Gas	0	0
	TOTAL PLANT HELD FOR FUTURE USE	72,657,994	0
107	Construction Work in Progress		
	Electric	1,915,034,172	
	Gas	28,131,060	
	Common	109,205,321	
	TOTAL CONSTRUCTION WORK IN PROGRESS	2,052,370,553	0
108	Accum. Depr SONGS Mitigation/Spent Fuel Disallowance		
	Electric	0	221,468
108	Accum. Depr SONGS SGRP Removal		
	Electric	0	0
108.5	Accumulated Nuclear Decommissioning		
	Electric	0	721,378,466
	TOTAL ACCUMULATED NUCLEAR DECOMMISSIONING	0	721,378,466
101.1	ELECTRIC CAPITAL LEASES	778,390,265	54,226,689
118.1	COMMON CAPITAL LEASE	25,982,293	12,725,592
		804,372,558	66,952,281
120	NUCLEAR FUEL FABRICATION	62,963,775	39,822,587
143	FAS 143 ASSETS - Legal Obligation	116,491,281	(610,135,470)
	FIN 47 ASSETS - Non-Legal Obligation	72,534,657	28,884,654
143	FAS 143 ASSETS - Legal Obligation	0	(1,278,616,385)
	TOTAL FAS 143	189,025,938	(1,859,867,202)
	UTILITY PLANT TOTAL	\$ 13,041,914,573	\$ 2,956,703,229

SAN DIEGO GAS & ELECTRIC COMPANY
SUMMARY OF EARNINGS
TWELVE MONTHS ENDED DECEMBER 31, 2011
(DOLLARS IN MILLIONS)

<u>Line No.</u>	<u>Item</u>	<u>Amount</u>
1	Operating Revenue	\$3,920
2	Operating Expenses	<u>3,485</u>
3	Net Operating Income	<u><u>\$435</u></u>
4	Weighted Average Rate Base	\$5,071
5	Rate of Return*	8.40%
	*Authorized Cost of Capital	

CERTIFICATE OF SERVICE

I hereby certify that, pursuant to the Commission's Rules of Practice and Procedure and General Order 131-D, Section XI.3.,¹ I have this day served a true copy of the **APPLICATION OF SAN DIEGO GAS & ELECTRIC COMPANY (U 902 E) FOR A CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY FOR THE SOUTH ORANGE COUNTY RELIABILITY ENHANCEMENT PROJECT (VOLUME I OF II)** has been electronically mailed and copies were also sent via Federal Express to Karen Miller, Public Advisor of the California Public Utilities Commission, and Edward Randolph, Director of the Energy Division of the California Public Utilities Commission. Executed this 18th day of May 2012 at San Diego, California.

By: /s/ Jenny Norin
Jenny Norin

SERVICE LISTS:

Karen Miller
Public Advisor of the California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

Edward Randolph
Director of the Energy Division of the California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

¹ GO 131-D, Section XI.3. references the "CACD" for the Commission's Advisory and Compliance Division, which is now identified by the Commission's individual industry Divisions, (e.g., Energy Division).