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Received - 2022-04-18 02:02:43 PM
Control Number - 53385
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PUC PROJECT NO. 53385

PROJECT TO SUBMIT EMERGENCY OPERATIONS PLANS AND RELATED DOCUMENTS UNDER 16 TAC § 25.53	§ § § § §	PUBLIC UTILITY COMMISSION OF TEXAS

EXECUTIVE SUMMARY

OF

EMERGENCY OPERATIONS PLANS

SOUTH TEXAS ELECTRIC COOPERATIVE, INC.

&

SOUTH TEXAS SOLAR POWER, LLC

APRIL 18, 2022

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I. Overview of South Texas Electric Cooperative, Inc. & South Texas Solar Power, LLC

South Texas Electric Cooperative, Inc. ("STEC") is headquartered in Nursery, Texas. STEC was formed in 1944 as an electric generation and transmission cooperative corporation to provide wholesale electric power to 10 distribution cooperative members (the "Members"). Presently, STEC has 9 Members:

Jackson Electric Cooperative	Bay City, Texas
Karnes Electric Cooperative	Karnes City, Texas
Medina Electric Cooperative	Hondo, Texas
Magic Valley Electric Cooperative	Mercedes, Texas
Nueces Electric Cooperative	Robstown, Texas
San Bernard Electric Cooperative	Bellville, Texas
San Patricio Electric Cooperative	Sinton, Texas
Victoria Electric Cooperative	Victoria, Texas
Wharton County Electric Cooperative	El Campo, Texas

STEC owns transmission lines, generation facilities and substations in order to provide wholesale service. The Members own distribution systems that provide electric service to approximately 310,000 retail customers in 47 counties. All Member retail customers are connected to and served from the ERCOT grid.

South Texas Solar Project, LLC (STSP) is a wholly owned subsidiary of STEC and is registered with the Public Utility Commission of Texas (PUCT) as a power generation company with four distribution level solar generation facilities located the Red Gate and Pearsall Power Plant facilities. STEC owns the output from the STSP facilities.

STEC's current power supply portfolio totals approximately 2,030 MW in power supply resources; 1,425 MW of which are purchased from third parties and 605 MW are owned. The owned resources are the Sam Rayburn Combined Cycle Plant at the headquarters complex in Nursery, Texas, the Pearsall Power Plant in Pearsall, Texas and the Red Gate Power Plant near Edinburg, Texas.

Wholesale services are delivered to the Members using 2,211 of transmission line and 205 substations. The ownership change points between the Members' distribution system and STEC's facilities are generally at the connection of the Members' wires to STEC's station structures.

STEC's organization chart totals 278 positions.

STEC maintains a System Operations facility that is continuously manned that operates the transmission facilities in coordination with ERCOT, neighbor transmission service providers, and transmission service customers. STEC also operates as a qualified scheduling entity with a continuously manned desk that coordinates with ERCOT in the provision of generation and ancillary services. The System Operations and QSE personnel participate and train in ERCOT emergency plans as well as the STEC Emergency Operations Plans ("EOP"). STEC participates in the development and training associated with ERCOT's Black Start Plan, Severe Weather Drill, and Winter Load Shed table top exercise.

The EOP applies to STSP and STEC's generation and transmission business functions including the operations desks, the headquarters complex and the power plants.

II. References to Specific Sections Complying With 16 TAC § 25.53

A. 16 TAC § 25.53(d)(1) Approval and Implementation

Section I., pages 13 through 15, documents the purpose of the EOP, the facilities that the EOP applies to, the process of updating and approving the EOP and annexes, revision control and the access and distribution of the EOP.

B. 16 TAC § 25.53(d)(2) Communications Plan

Section II., pages 16 through 22, documents the communications plans that ensure conveyance of outage information in a timely manner to the PUC, the public, and other agencies, lists key contact information for STEC and Member personnel and other entities for use by employees in emergency situations and a complaint handling process. It also includes the responsibilities of coordinating with additional staffing in restoration efforts and explains the division of critical load information responsibilities between STEC and the Members.

C. 16 TAC § 25.53(d)(3) Inventory and Staffing

Section III., page 22 through 23, addresses inventory and staffing as those terms apply to emergency situations. STEC owns transmission line and substations in the Texas Department of Emergency Management hurricane evacuation zones so inventory decisions must take into account the significant damage that can occur and has occurred

in hurricanes. STEC has inventory stored at the Sam Rayburn Headquarters Complex, the Pearsall Power Plant, the Red Gate Power Plant, and the Valley District Office in Donna, Texas. Staffing plans and inventory plans differ greatly between the types of emergencies that are anticipated and represented in the EOP and the annexes. Each annex appropriately addresses the materials and staffing planned for the subject emergency.

D. 16 TAC § 25.53(d)(5) Weather Monitoring

Section IV., page 23, documents STEC's methods for recognizing weather-related hazards. Several paths for news and weather information are provided to the transmission and generation personnel that provide overwatch of the facilities.

E. 16 TAC § 25.53(e)(1)(A) Weather Emergency Annex/Checklists (Transmission)

Annex A, pages 35 through 38. Weather Emergency Plan/Checklist documents STEC's plans that apply to extreme winter weather events and extreme heat and reflect lessons learned in Winter Storm Uri and other extreme weather systems.

F. 16 TAC § 25.53(e)(1)(B) Load Shed Annex and Critical Loads (Transmission)

Annex B, pages 39 through 47. The Energy Emergency Alert and Load Shed Procedure documents the processes and responsibilities utilized in an Energy Emergency Alert situation, a local firm load shed instruction, automatic underfrequency load shed events, and automatic undervoltage load shed events. The resulting actions are coordinated with ERCOT, the Members, neighboring transmission service providers and transmission service customers.

Preparation plans and restoration efforts are coordinated with the Members to reflect the appropriate critical load prioritization. The Members maintain critical load customer lists and provide STEC with an appropriately prioritized list of substation feeders to use in manual load shed situations to meet ERCOT's load shed instruction. Feeders that serve critical loads are given priority of restoration over feeders that serve non-critical loads.

G. 16 TAC § 25.53(e)(1)(C) Pandemic and Epidemic Annex

Annex C, pages 48 through 86. Pandemic Plan documents the efforts planned for when business continuity is threatened by a pandemic or epidemic as it was during the worst

of the Covid 19 situation. It reflects the many lessons learned at the height of the Covid 19 impacts and includes close monitoring of the Center for Disease Control and flexibility to adjust to rapid changes.

H. 16 TAC § 25.53(e)(1)(D) Wildfire Annex (Transmission)

Annex D, pages 67 through 69. The Wildfire Plan reflects the responses planned when transmission lines are threatened by planned and unplanned fires. It also reflects changes in operating decisions when conditions warrant caution to avoid starting a wildfire.

I. 16 TAC § 25.53(e)(1)(E) Hurricane Preparedness Plan

Annex E, pages 70 through 90. The Hurricane Preparedness Plan documents preparation and restoration effort plans that originate from extensive lessons learned from numerous hurricanes and tropical storms. The plan is structured by alert levels that progressively increase decision making schedules and responsibilities as storms approach and documents staffing and inventory plans.

J. 16 TAC § 25.53(e)(1)(F) Cyber Security Annex

Annex F, pages 91 through 92. The Cyber Security Plan discusses the actions to be taken when a cyber security incident is recognized. Key STEC employees are included in an Incident Response Team that is trained in techniques that mitigate and eliminate cyber attacks.

K. 16 TAC § 25.53(e)(1)(G) Physical Security Incident Annex

Annex G, pages 93 through 97. The Physical Security Incident Plan documents the responses planned for unauthorized access at the remote substations and offices and the manned power plant and operations facilities.

L. 16 TAC § 25.53(e)(1)(I) Flood Response Annex (Generation)

Annex K, pages 169 through 171. The Flood Response Procedures outline the actions that need to be taken in preparation for and during a flooding event at the Sam Rayburn, Pearsall, Red Gate, and STSP generation facilities.

M. 16 TAC § 25.53(e)(2)(A) Weather Emergency Annex (Generation) & Fuel Switching Plan (Generation)

Annexes H and I, pages 98 through 166. The Generation Facility Weather Emergency Plans apply to STEC's power plants including the solar installations whose outputs are owned by South Texas Solar Power, LLC. The extreme winter weather and extreme heat plans for the Sam Rayburn Combined Cycle Plant, the Red Gate Power Plant complex and the Pearsall Power Plant complex have differences in plans due to the type of generation, fuel capabilities, and widespread geographic locations.

Annex J, pages 167 through 168. The Fuel Switching Verification Plan describes the procedures and measures to be taken at the STEC Sam Rayburn Power Plant to verify the adequacy and operability of fuel switching equipment.

N. 16 TAC § 25.53(e)(2)(B) Water Shortage Annex (Generation)

Annex L, pages 173 through 174. The Generation Facility Water Plans address the alternatives available to each generation facility for water supply when the primary source is threatened.

O. 16 TAC § 25.53(e)(1)(E) Restoration of Service (Generation)

Annex M, pages 175 through 176. The Facility Restoration Plans address each power plant's general responses to unplanned unit trips in order to return capacity to service.

III. Record of Distribution

Name	Title	Date of Access	Date of Training
Kezar, Mike	General Manager	4/18/2022	5/13/2021
Pratka, Amy	Corporate Risk Officer	4/18/2022	5/13/2021
Ohrt, Wendy	Manager of Corporate and Member Services	4/18/2022	5/13/2021
Walters, Norm	Computer/IT Systems Manager	4/18/2022	5/13/2021
Davis, Mitchell	Manager of Safety and Training	4/18/2022	5/13/2021
Post, Virginia	Lead Security Officer	4/18/2022	5/13/2021
Packard, John	Manager of Power Supply	4/18/2022	3/31/2022
Lange, Clif	Manager of Wholesale Marketing/QSE	4/18/2022	5/13/2021

Turner, Lucas	Assistant Manager of Wholesale Marketing/QSE	4/18/2022	5/13/2021
Bishop, Roger	Plant Manager - Sam Rayburn Power Plant	4/18/2022	3/31/2022
Stiegler, Melvin	Plant Manager - Pearsall Power Plant	4/18/2022	3/25/2022
Casasola, Franz	Plant Manager - Red Gate Power Plant	4/18/2022	3/29/2022
Allen, Cory	Manager of Power Delivery	4/18/2022	5/13/2021
Bolle, Steve	Chief System Operator	4/18/2022	2/2/2022
Moeller, Allen	Lead System Operator	4/18/2022	2/16/2022
Graham, Bradley	System Operator	4/18/2022	2/3/2022
Webel, William	System Operator	4/18/2022	2/10/2022
Vaughn, Terry	System Operator	4/18/2022	2/2/2022
Hanson, Mark	System Operator	4/18/2022	2/22/2022
Kasper, Brett	System Operator	4/18/2022	2/10/2022
Fojt, Bobby	System Operator	4/18/2022	5/13/2021
Bernhard, Matthew	System Operator	4/18/2022	2/2/2022
Taylor, Steve	Line Superintendent	4/18/2022	5/13/2021
Haschke, Ty	Substation Superintendent	4/18/2022	5/13/2021
Martinez, Lee	Manager of Technical Services	4/18/2022	5/13/2021
Gonzalez, Loretta	Valley District Manager	4/18/2022	5/13/2021
Person, Paul	Manager of Engineering	4/18/2022	5/13/2021

IV. Emergency Contacts

Contact	Title	Name	[redacted]
Complaint Contact	General Manager	Mike Kezar	
Primary Emergency Contact	Assistant General Manager	Cory Allen	
Secondary Emergency Contact	Manager of Power Supply	John Packard	
Tertiary Emergency Contact	Manager of Corporate and Members Services	Wendy Ohrt	

AFFIDAVIT OF MIKE KEZAR

STATE OF TEXAS §
§
COUNTY OF VICTORIA §

BEFORE ME, the undersigned authority, on this the 14th day of April, 2022, personally appeared MIKE KEZAR, who being first duly sworn according to law, deposes and states:

1. "My name is MIKE KEZAR. I am over 21 years of age, have personal knowledge of the facts surrounding the statements made herein, and am otherwise competent to put forth this testimony. The facts stated in this affidavit are within my personal knowledge and are true and correct.

2. I am the General Manager of SOUTH TEXAS ELECTRIC COOPERATIVE, INC. ("STEC") and the Manager of SOUTH TEXAS SOLAR POWER, LLC ("STSP") and am the highest-ranking official with binding authority over STEC and STSP, respectively, and affirm the following:

3. All relevant operating personnel are familiar with and have received access to and training on portions of the Emergency Operations Plan ("EOP") applicable to assigned duties and such personnel are instructed to follow the applicable portions of the EOP to the extent that deviations are appropriate as a result of specific circumstances during the course of an emergency.

4. STEC and STSP will conduct drills on the EOP in accordance with PUC Subst. Rule §25.53.

5. A redacted version of the Hurricane Preparedness Plan has been provided to the local jurisdiction and appropriate summaries or individual annexes will be provided to local jurisdictions as needed.

6. STEC's and STSP's EOP includes plans to continue business and return to normal operations after disruptions caused by various types of incidents.

7. Personnel on staff have received certificates of completion of the latest IS-100, IS-200, IS-700 and IS-800 National Incident Management System training and are designated or will be designated to interact with local, state and federal emergency management officials during an emergency event as necessary.

FURTHER, Affiant sayeth not.

MIKE KEZAR

THE FOREGOING INSTRUMENT was acknowledged before me this 14th day of April, 2022, by MIKE KEZAR, who is personally known to me.

SWORN TO AND SUBSCRIBED before me, this 14th day of April, 2020.

SANDRA HOWARD
Notary Public, State of Texas
Notary ID# 184628-4
My Commission Expires
MARCH 14, 2026

Sandra Howard
Notary Public

My commission expires:

4894-0650-4987 v 1

STEC Safety is our way of life	**Emergency Operations Plans**	
	Entity Name: South Texas Electric Cooperative, Inc. and South Texas Solar Power, LLC	
Approved By:	**Current Version:** Rev. 0	**Current Version Date:** April 15, 2022

Table of Contents

I. Approval and Implementation

A. Purpose of Emergency Operations Plans

This Emergency Operations Plan (EOP) governs responses by South Texas Electric Cooperative, Inc. (STEC) and South Texas Solar Power, LLC (STSP) to system emergency incidents. The individual plans and annexes included in this EOP cover the types of incidents that are reasonably anticipated to impact STEC's facilities and the Electric Reliability Council of Texas, Inc. (ERCOT) grid and the types of incidents that have been experienced.

STEC maintains its EOP in anticipation of natural disasters, situations involving curtailments, and major interruptions in electrical service. The EOP is organized to be readily available for use by personnel in the expected range of emergency types. Procedures for actions to specific threats, such as the approach of a hurricane, are included in EOP annexes.

The plans focus on the responsibilities of personnel that direct others in performing preparation and restoration duties and personnel that perform functions that directly impact the system or generation facilities. The General Manager, department and division managers, system operators, power plant operators, and other key positions are assigned the responsibilities in this EOP.

The primary concern of the actions required by the EOP is the health and safety of employees, contractors, and the public. The work required to continue, and return to, normal business functions is prioritized with the health and safety of the public in mind. Priority of restoration is generally given to the efforts that return service to the largest number of end users in the shortest amount of time, consistent with prioritization of critical loads.

Preparation plans and restoration efforts are coordinated with member cooperatives to reflect the appropriate critical load prioritization. The member cooperatives maintain critical load information and provide STEC with lists of feeders that are appropriately listed in priority of use in manual load shed situations and priority for restoration efforts.

B. Application

STEC is a generation and transmission cooperative that owns and operates generation facilities substation facilities and transmission lines. STEC is solely a wholesale service provider. Nine member cooperatives have voting seats on STEC's Board of Directors. The member cooperatives operate distribution systems in 47 counties, all within the ERCOT system, and provide retail services to their member retail, end user members. STEC's transmission service customers include the nine member cooperatives, neighboring transmission and distribution service providers, generation resources, and wholesale storage load. The ownership change points with the member cooperatives are at the substations where distribution lines connect to the substation structures. Ownership change points with other transmission service customers vary as documented in interconnection agreements.

STSP is a wholly owned subsidiary of STEC and is registered with the Public Utility Commission of Texas (PUCT) as a power generation company with four distribution level solar generation facilities located within the service areas of STEC's member distribution cooperatives.

This EOP applies to owned generation resources at the Sam Rayburn Power Plant in Victoria County, the Red Gate Power Plant in Hidalgo County, and the Pearsall Power Plant in Frio County. It also applies to the STSP solar power installations that are located at the Red Gate Power Plant and at the Pearsall Power Plant that are owned by STSP.

The EOP contains the plans required for transmission service providers, including a hurricane plan for transmission services providers with facilities in hurricane evacuation zones. STEC owns and operates 345 kV, 138 kV and 69 kV transmission lines and substations.

C. Modification and Approval Process

The General Manager has the final authority to approve or amend the EOP, determine when and where EOP responsibilities are to be performed, and designate employees responsible for the processes described in the EOP.

The following list of position titles includes those that are responsible for approving, reviewing and recommending updates and modifications to one or more parts of the EOP and annexes:

General Manager	Approval/Review
Manager of Corporate and Member Services	Approval/Review/Update
Manager of Power Supply Division	Approval/Review/Update
Manager of Power Delivery Division	Approval/Review/Update
Corporate Risk Officer	Approval/Review
Manager of Wholesale Power Marketing/QSE	Review/Update
Power Plant Managers	Review/Update
Chief System Operator	Review/Update
Compliance Coordinator	Review/Update
Computer/IT System Administrator	Review/Update
Manager of Technical Services	Review/Update
Manager of Safety and Training	Review/Update
Lead Security Officer	Review/Update

Other employees may be assigned responsibilities to review and recommend changes to certain aspects of the EOP and annexes as necessary.

The personnel identified shall review performances in actual emergency incidents to reflect lessons learned in recommended changes to the EOP.

D. Revision Control

The changes and updates to this EOP and the annexes shall be documented. The date the EOP or an annex is approved as modified, as well as the name of the person that recommends the change, shall be recorded as a new version. The versions shall progress from revision 0 which is the EOP completed prior to April 15, 2022. Subsequent versions shall progress from revision 1 as changes are approved.

Some annexes require revision more frequently than others reflecting the historical number of times certain emergencies are experienced. The revisions for annexes covering frequently experienced, or recently experienced, emergency types are logged separately.

The personnel responsible for approval of the EOP and annexes shall ensure that new versions of the EOP and annexes, or redacted versions if applicable, are filed with the PUCT if material changes are made. An unredacted version of the latest versions of the EOP and annexes shall be submitted to ERCOT annually on the date specified by ERCOT.

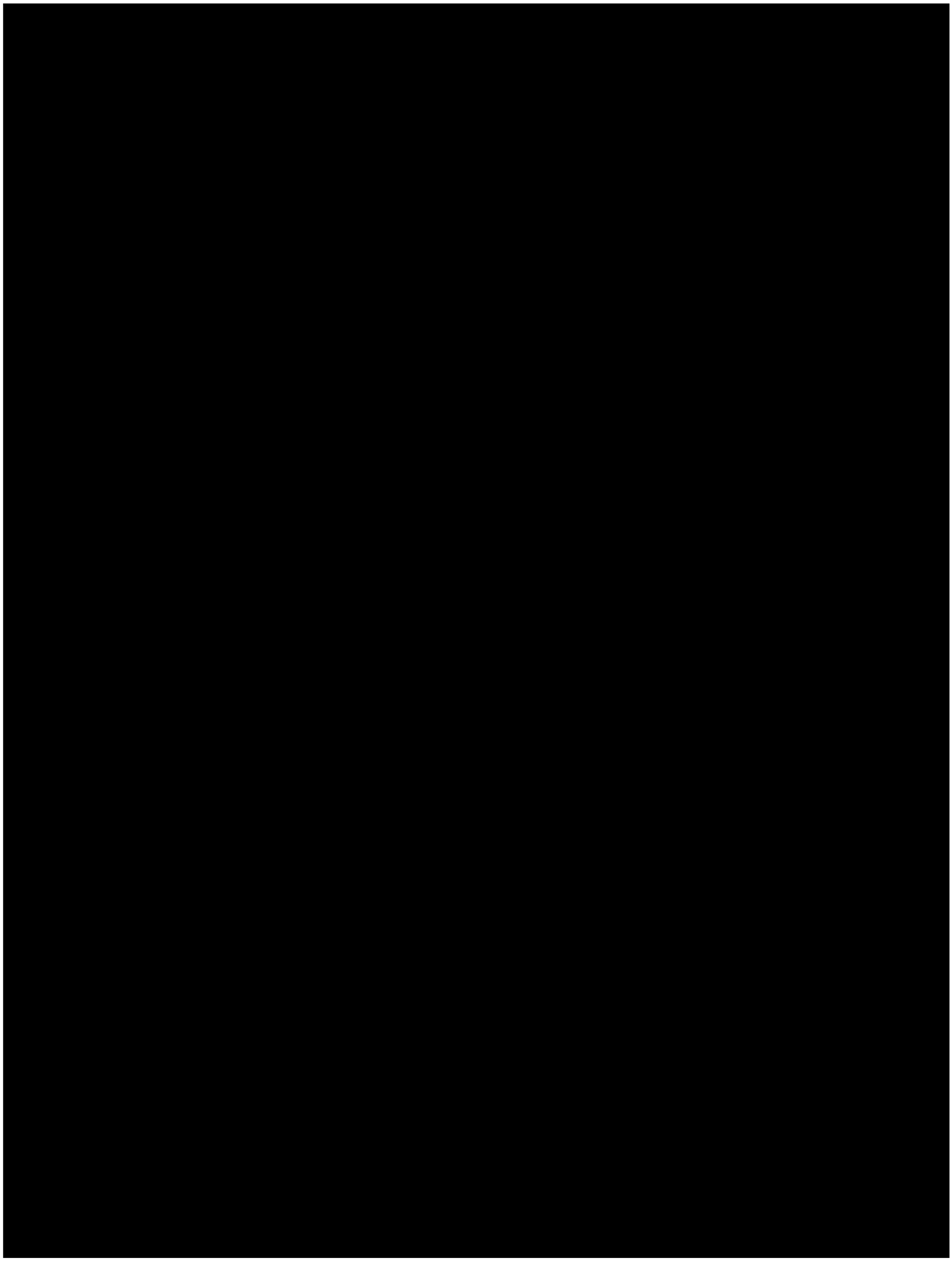
II. Communications Plan

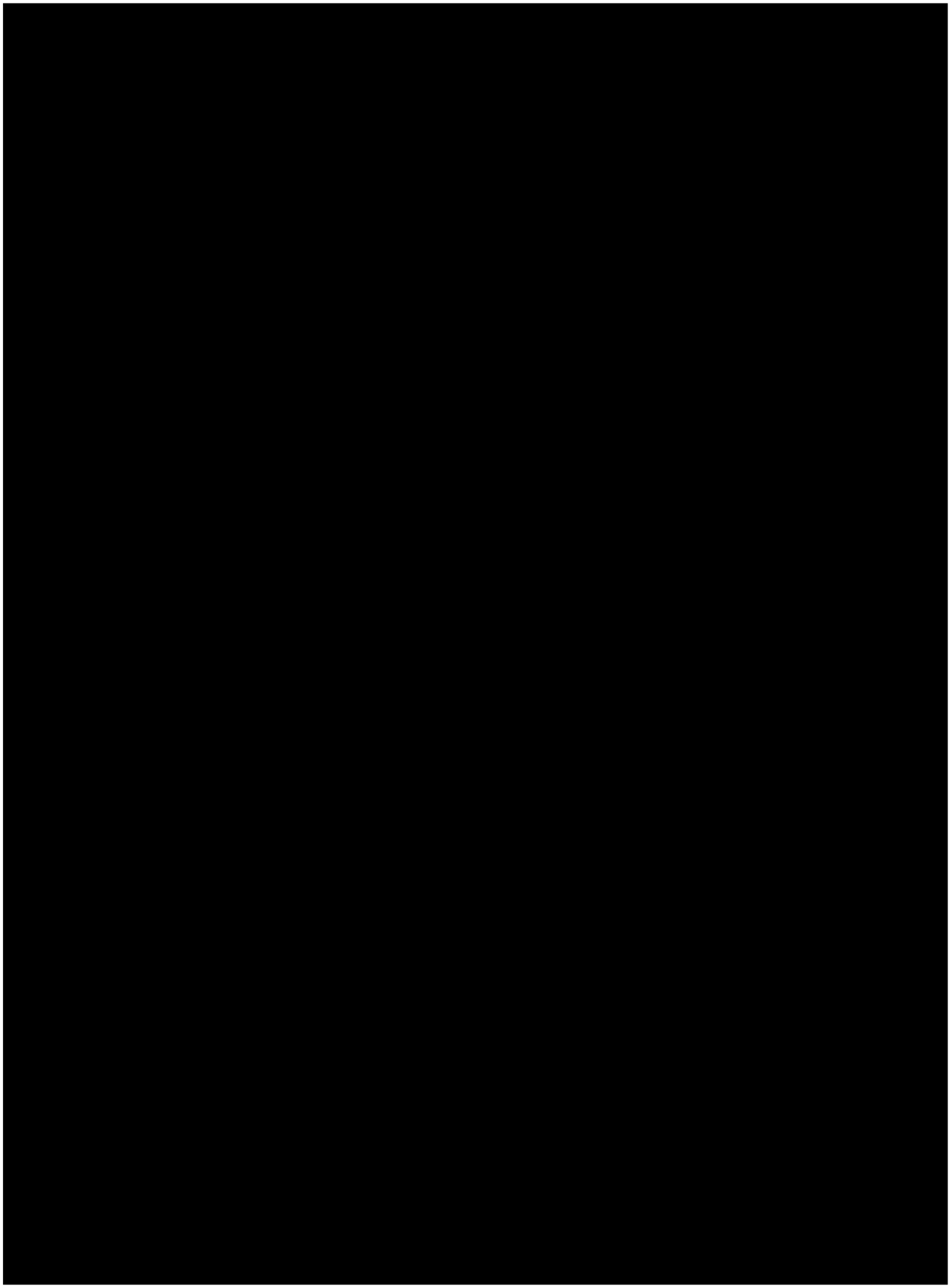
A. Application

Communications plans apply to all generation and transmission operations. It is imperative that STEC's member cooperatives, the PUCT, ERCOT, the Texas Department of Emergency Management (TDEM), and other local and state level government entities be kept informed as to the extent and severity of impacts to STEC's system by weather events and other abnormal system conditions. Communication between entities is a key element of restoration efforts.

B. Contact Information

System Operations shall maintain a list of contact information that includes the key operational personnel designated by the Member Cooperatives and generation facilities that are connected to STEC's transmission system. The list shall be reviewed and updated as necessary for the type of emergency anticipated or experienced.





C. Satellite Phones

Satellite phones are kept on hand for or assigned permanently to the following:

General Manager
System Operations
Backup Control Center
Emergency Control Center
Member Cooperatives
Pearsall Power Plant
Donna Office
Red Gate Power Plant

The Manager of Technical Services is responsible for the maintenance and distribution of satellite phones. Satellite phones are distributed as directed by the General Manager.

D. Website

The Manager of Corporate and Members Services shall direct information updates as applicable to the corporate website, www.stec.org.

Information will be updated as the situation requires.

The Manager of Technical Services shall direct maintenance of the website outage map and inform personnel and member cooperatives when work on the system is required.

E. Facebook

The General Manager may direct the Manager of Corporate and Member Services to assign personnel to upload and update emergency information via the Facebook link on the corporate website.

F. Complaint Handling

STEC does not provide retail services. Complaint calls from end users are generally received by the member cooperatives or other DSPs. Personnel that receive a complaint shall record the information necessary to make the appropriate response,

including record of the following:

First and last names
Phone Number
Address
City and Zipcode

Distribution service provider
Brief description of the subject of the complaint

Personnel shall direct the caller to the distribution service provider if the complaint is related to service.

If a caller is in distress, personnel shall ask if medical assistance is needed. If affirmed by the caller, personnel shall contact the appropriate emergency management agency and relay the information.

The General Manager shall assign personnel to process complaints as needed.

G. Contractor and Volunteer Coordination

The Wholesale Marketing/QSE department shall be responsible for coordinating with fuel suppliers regarding the availability, deliverability, and scheduling of natural gas to each of STEC's owned generating resources.

The respective power plant managers shall be responsible for communicating with fuel suppliers for the procurement of alternative or backup fuel supplies (i.e., fuel oil), if applicable.

The Manager of Engineering shall develop a list of personnel to be coordinators. Coordinators liaise with transmission line and substation contractor and volunteer crews that are or will be engaged in emergency restoration work to ensure efficient and effective communications. If possible, coordinators will be assigned to one crew performing either line restoration or clearing.

The key responsibilities given to the coordinators include:

- Coordinate switching procedures, outages and clearances with the System

Operator;

- Provide periodic updates to the ECC regarding progress and problems;
- Provide meals and drinks if needed;
- Direct the crews to the correct work locations and materials stores;
- Communicate future plans between the ECC and the crew leaders;
- Inspect installations;
- Ensure crews install adequate guard structures;
- Ensure that design and engineering questions are answered;
- Verify equipment installed;
- Have daily meetings with crews;
- Aid contractor in overcoming equipment and tool concerns;
- Ensure that material used is appropriate; and
- Ensure that all NESC clearance and standard STEC practice clearances are met.

H. Critical Loads

The member distribution cooperatives provide retail service to end use customers. The member cooperatives receive requests from customers to be considered critical loads and maintain a list of the customers that meet the criteria for a critical load. Communications with critical loads during emergencies is performed by the member cooperatives.

I. Communications with Agencies, the Public and the Media

The General Manager shall determine assignments of communications responsibilities that are reasonable for the conditions experienced during an emergency. The General Manager may communicate directly with the media, the public and agencies or may assign the responsibilities to other personnel as called for by the situation and the subject of the communications.

Requests for information received from the PUCT, Office of Public Utility Counsel (OPUC), TDEM, and local and state government entities shall be immediately referred to the General Manager. The General Manager may assign to other personnel the responsibilities of submitting and updating outage information with the PUCT. All requests for information and directives received from the PUCT and OPUC shall be sent to the personnel as directed by the General Manager and carried out as soon as the emergency situation allows.

Requests and questions received from the media and the public shall be immediately referred to the General Manager. Personnel shall inform the media of the information provided on the corporate and ERCOT websites.

Communication of operational information to and from ERCOT regarding transmission system issues shall be performed or directed by the Chief System Operator. Communication of generation-related issues to and from ERCOT shall be performed or directed by the Manager of Wholesale Marketing/QSE. Communications between STEC and TDEM shall be the responsibility of the Lead Security Officer or other personnel assigned by the General Manager that have met the National Incident Management System training requirements. Communications from the Texas Reliability Entity shall be directed to the Manager of Corporate and Member Services.

STEC does not serve retail customers. Communications to retail customers are handled by STEC's member distribution cooperatives.

III. Inventory and Staffing

An effective response to an emergency event that disrupts normal business functions depends upon the availability of personnel and materials. Because of lead times, keeping materials on-hand allows restoration efforts to begin immediately. Access to the appropriately qualified personnel is key to shortening the time to return to normal business and to allow the necessary employee rest periods.

STEC personnel that identify a threat will report the same through the Communications Plan along with information relevant to the threat. The General Manager shall direct the Chief System Operator, or the Manager of Wholesale Marketing/QSE, as applicable, to identify supplies and personnel necessary to meet the EOP parameters with respect to a threat covered by the annexes hereto.

The appliable EOP plan or process shall be triggered by the General Manager, the Chief System Operator, or the Director or Wholesale Marketing/QSE, or a designee of any of the above.

Personnel from all departments will be called out as needed for system reliability duties and restoration. In the event of an emergency, management will assign extra personnel, as necessary, and assistance may be drafted from other departments. STEC will estimate the anticipated duration of the emergency or event when additional personnel are called in for unplanned work.

Inventory and staffing decisions vary widely based upon the type and intensity of the emergency incident. The EOP annexes that cover processes that required inventory, non-standard work periods and additions of key contractors include emergency-specific inventory and staffing plans.

IV. Weather Monitoring

Early recognition of weather-related hazards is key to efficient and effective emergency planning. STEC's Qualified Scheduling Entity (QSE) and System Operations are continuously staffed around the clock throughout the year. Both centers are provided with access to multiple avenues of abnormal weather alerts, warnings, and news that report on tornadoes, hurricanes, extreme cold weather, extreme hot weather, drought, and flooding. Satellite television service is provided for access to local news and weather reporting stations. Internet access is provided in order to monitor the National Weather Service information on storm systems and flooding predictions. STEC also contracts with a weather forecasting service that provides alerts of observed and predicted abnormal weather often days in advance of expected impacts to STEC's system. The QSE desk and System Operations receive weather-related information from ERCOT, the member cooperatives, and other transmission service providers.

STEC has installed weather stations in various locations in the system that return, via SCADA, wind speeds and directions and temperatures to the 24/7 desks.

The System Operators are authorized to take actions in accordance with ERCOT's Operating Procedures for Weather Events, Hurricane/Tropical Storm, Extreme Cold Weather, Extreme Hot Weather and Other Significant Weather Events. STEC may activate the annex to this EOP that is appropriate to the situation and follow other applicable ERCOT protocols, guidelines and requirements.

The general process followed to activate the appropriate parts of the EOP or an annex includes recognition or reporting of a potential incident, internal communications to key employees of a threat, and judgement of the threat against criteria in the EOP and annexes. Activation processes for specific emergency types are included in the annexes.

V. Annual Drill

In accordance with 16 TAC § 25.53(f), STEC must hold at least one drill annually to test the EOP. STEC's Hurricane Preparedness Plan requires that a meeting be held each year in May, prior to the official hurricane season, to review the Hurricane Preparedness Plan. The member cooperatives are invited to participate and the schedule for the meeting is sent to the PUC and

TDEM 30 days in advance. The purpose of the meeting is to ensure that key personnel and member personnel are trained on the preparation and restoration plans and to make plan changes that reflect lessons learned in previous experiences.

Historically, STEC is threatened by multiple hurricanes and tropical storms each season and in each threat, the Hurricane Preparedness Plan is activated which meets the 16 TAC § 25.53(f) drill requirement. Rarely is there a hurricane season in which the hurricane annex is not tested but on that rare occasion, STEC will conduct a drill of its extreme weather emergency annex prior to December 1 with a focus on extreme winter weather conditions.

STEC and STSP will conduct an annual drill at each of the Sam Rayburn, Red Gate and Pearsall Power Plants to test the EOP. The purpose of the drill will be to familiarize personnel with the procedures outlined in the EOP, highlight lessons learned from previous operations during emergency conditions and any changes of industry best-practices.

VI. General Operations (NERC EOP-011-1)

A. Introduction

STEC is a member of the ERCOT. Many of the operations of STEC facilities are dictated by the operational policies of ERCOT. Procedures for load curtailment, rotating blackouts and restoration of service are based upon the objectives required by ERCOT. References to ERCOT in this document include those intended for the Independent System Operator and Balancing Authority.

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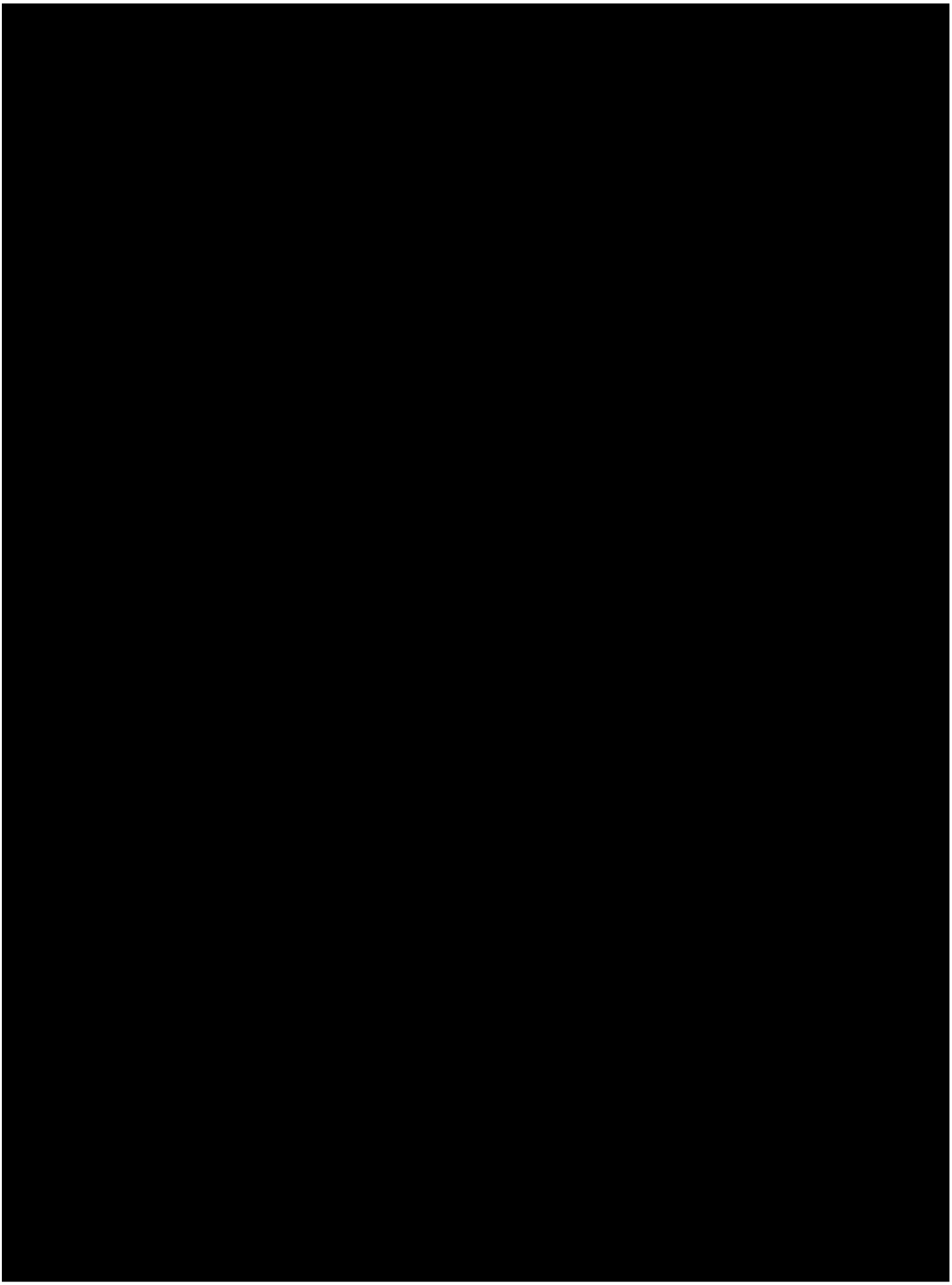

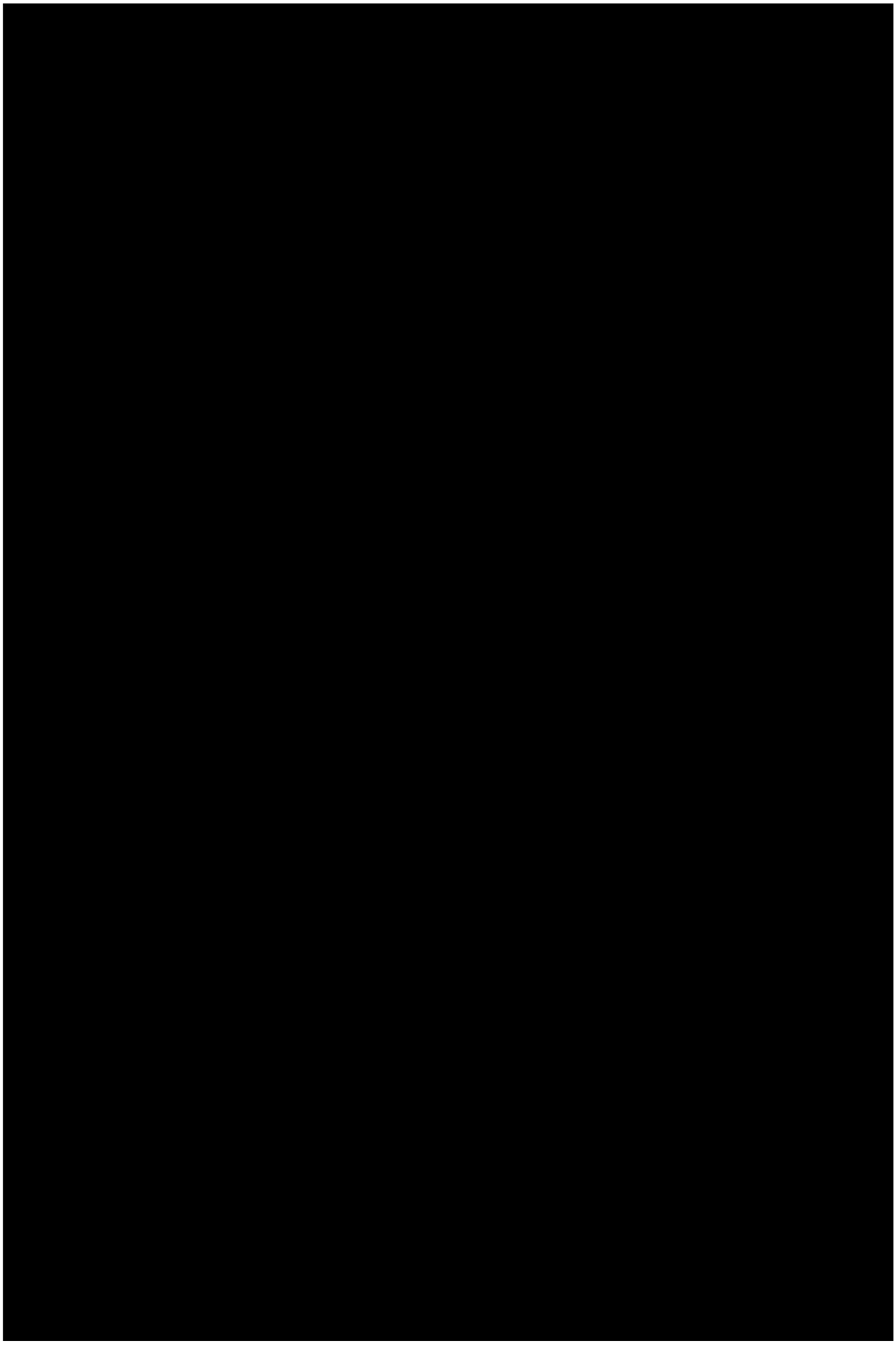

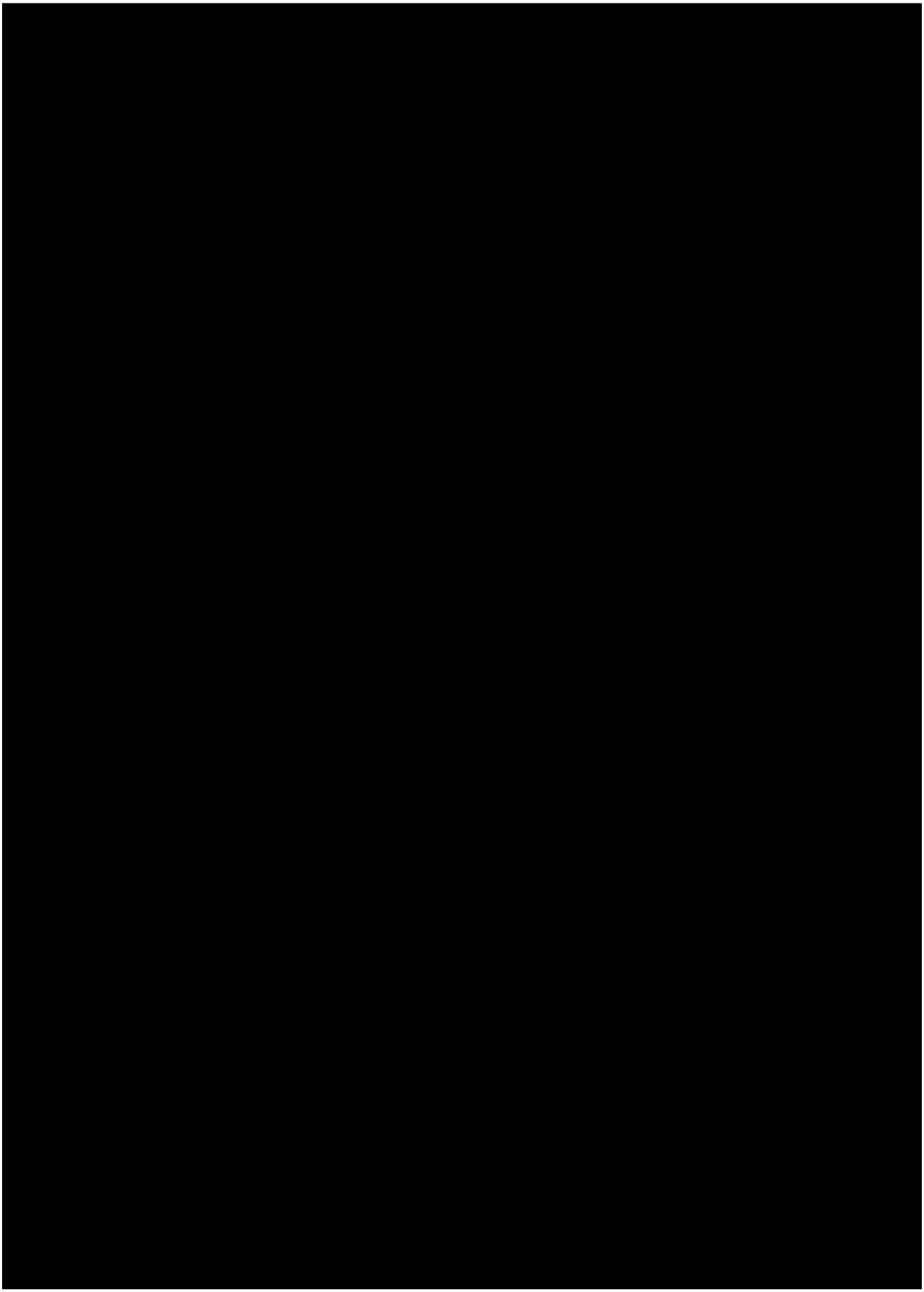

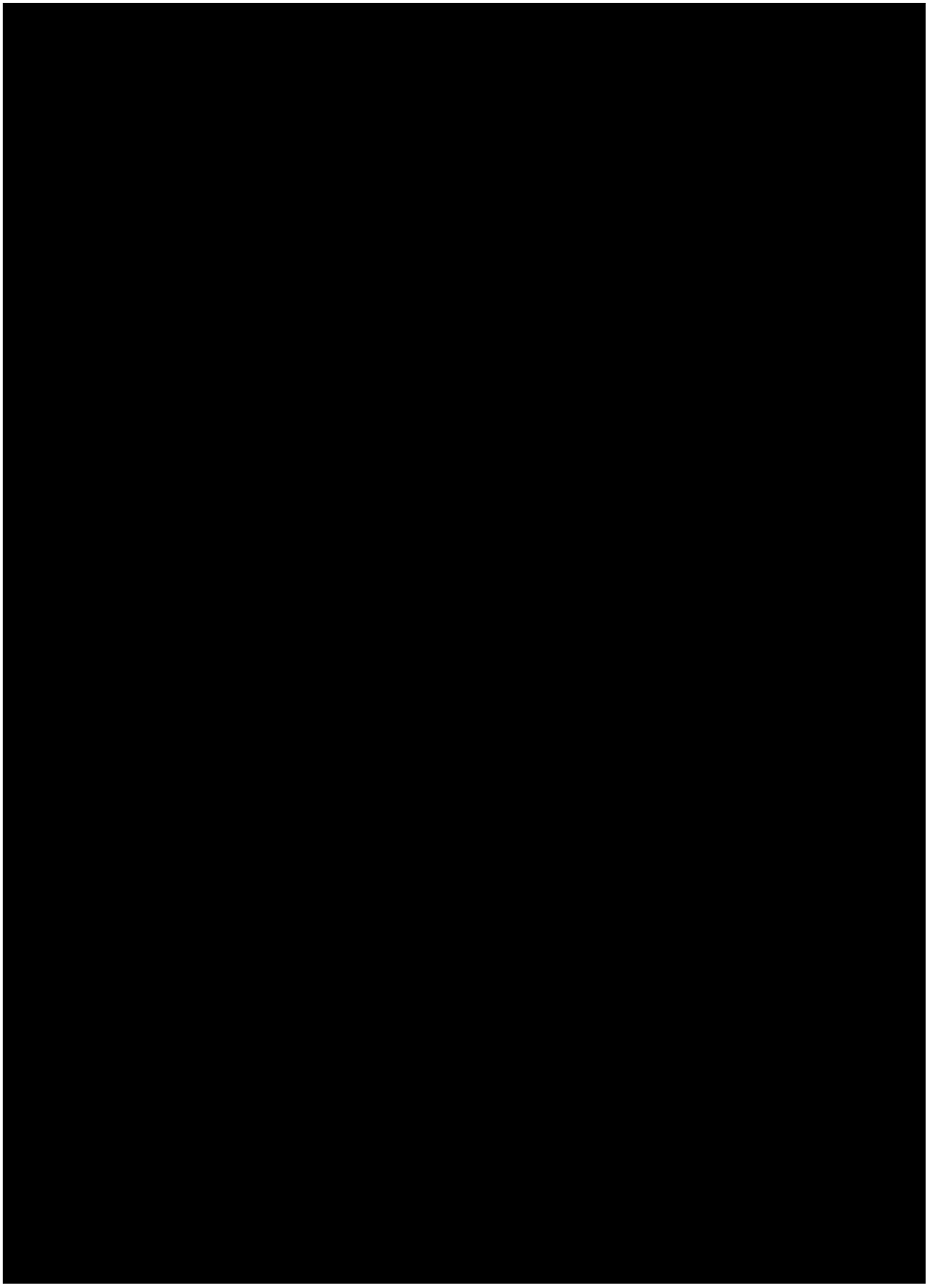

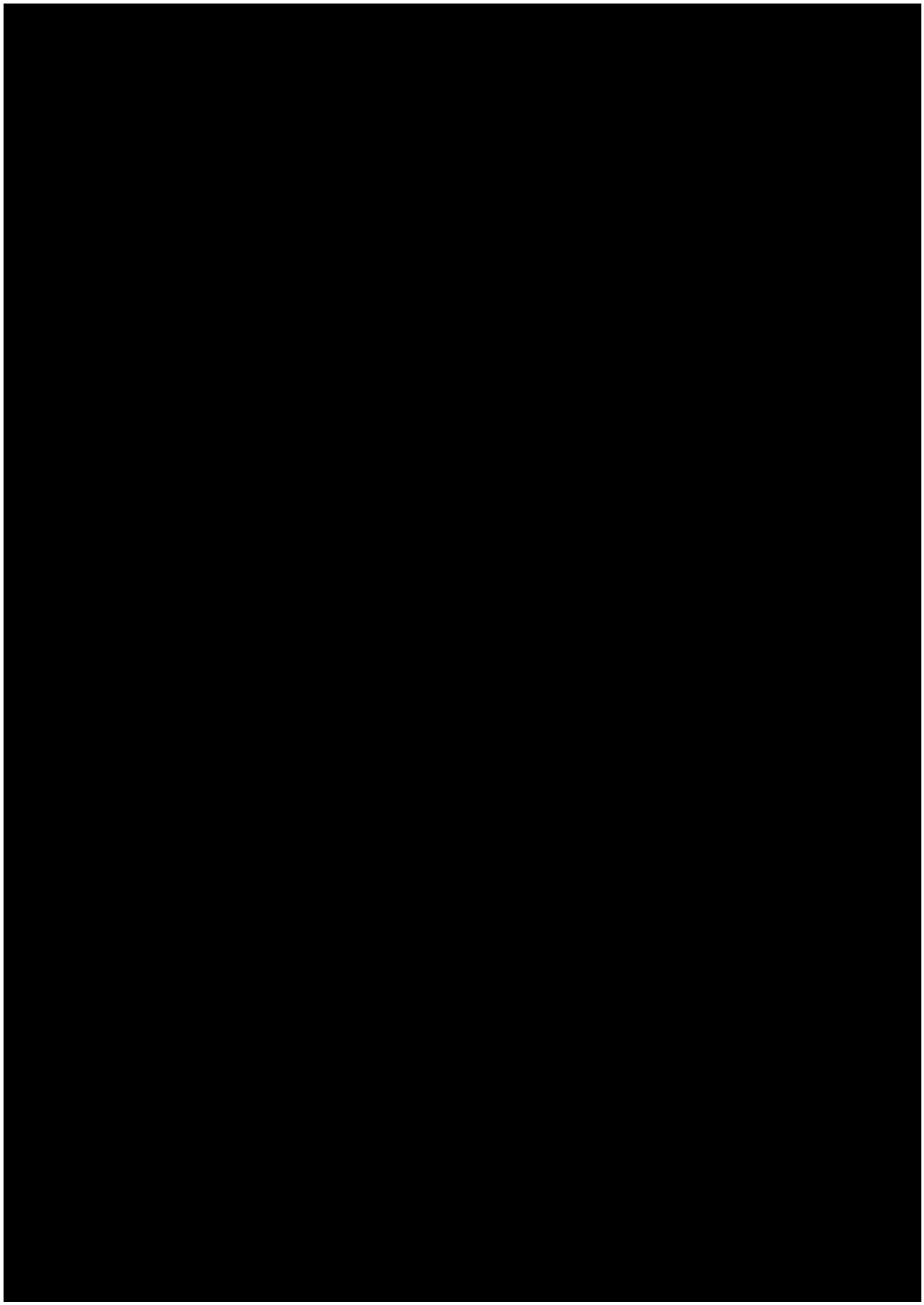

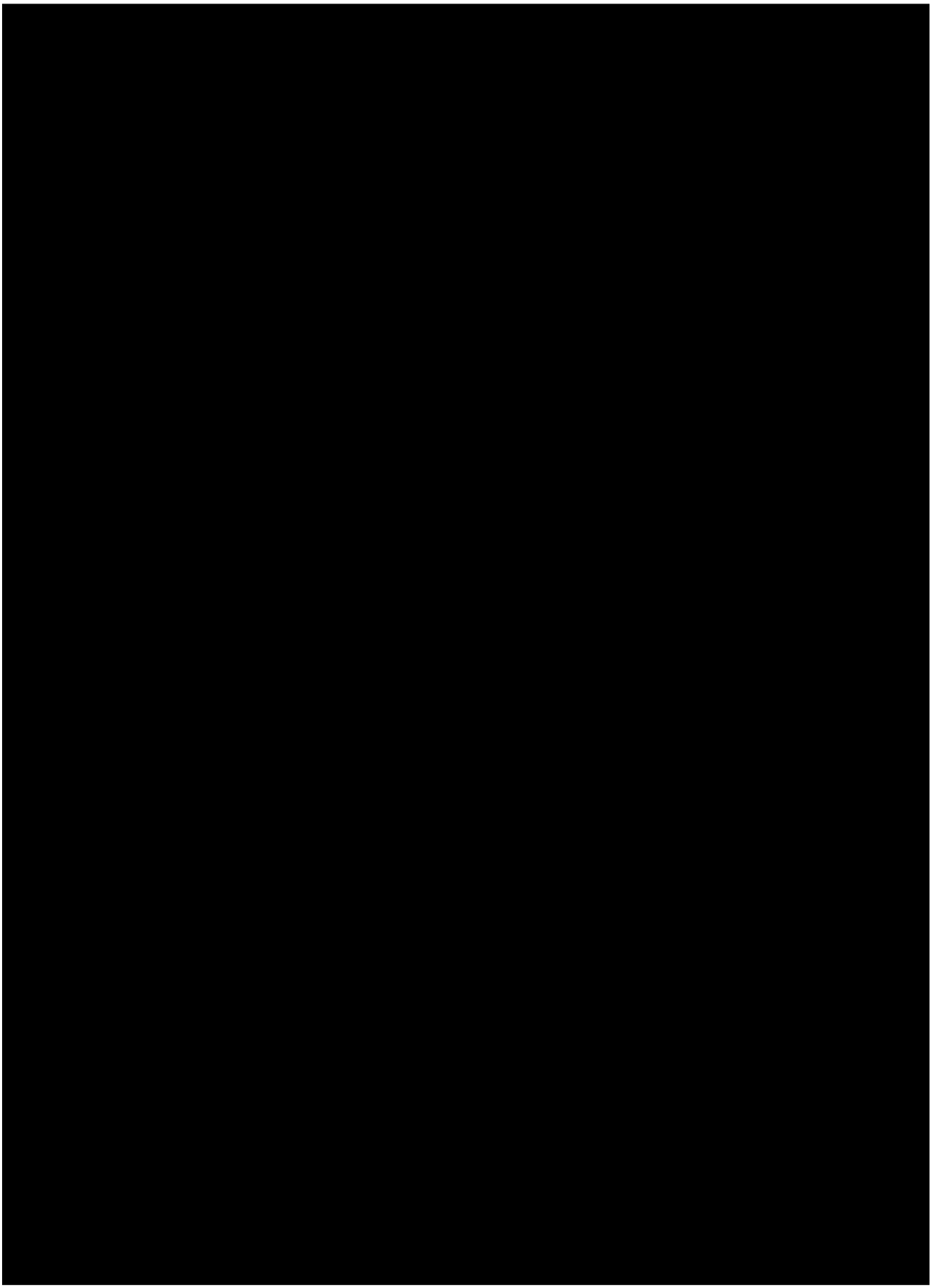

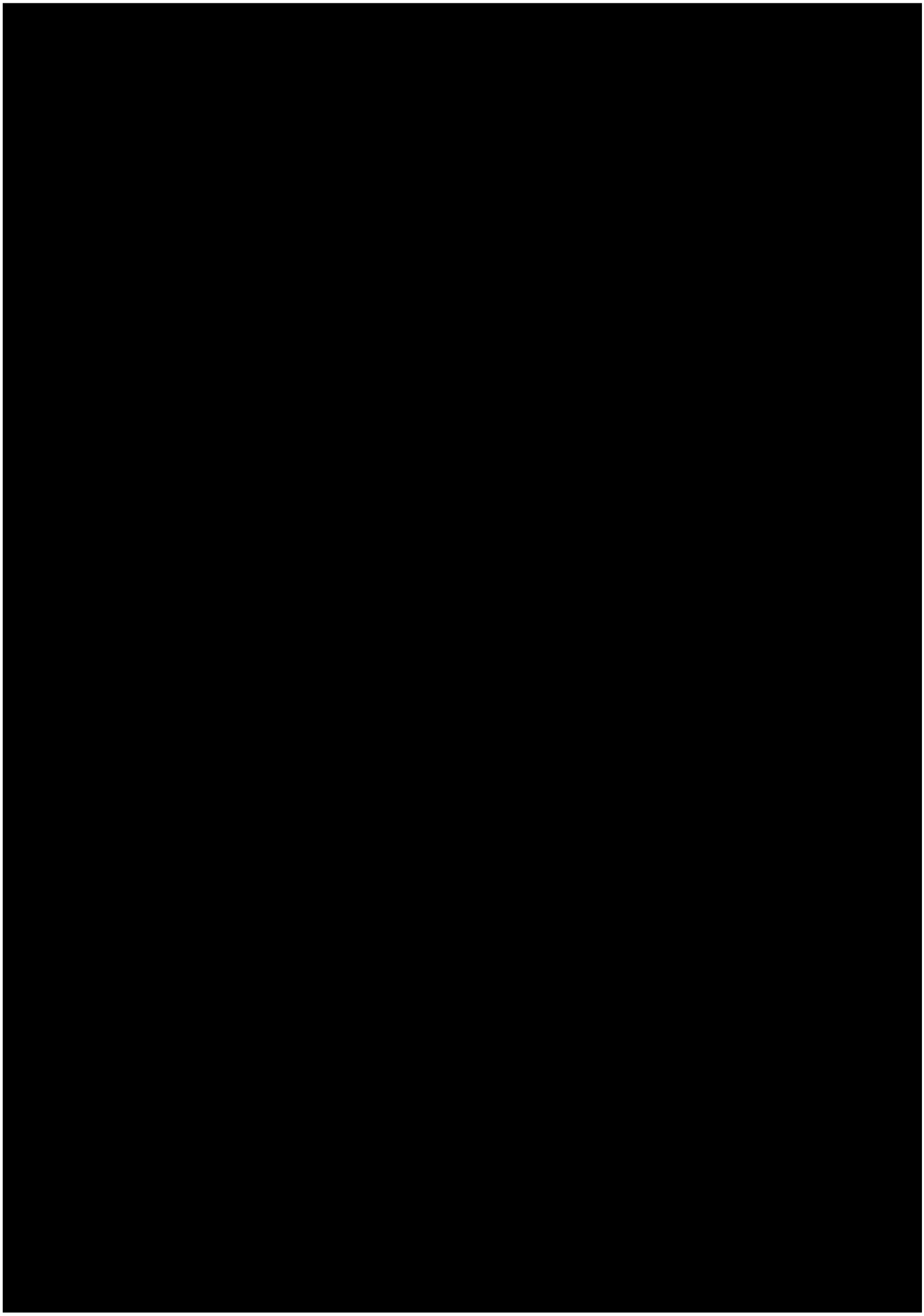

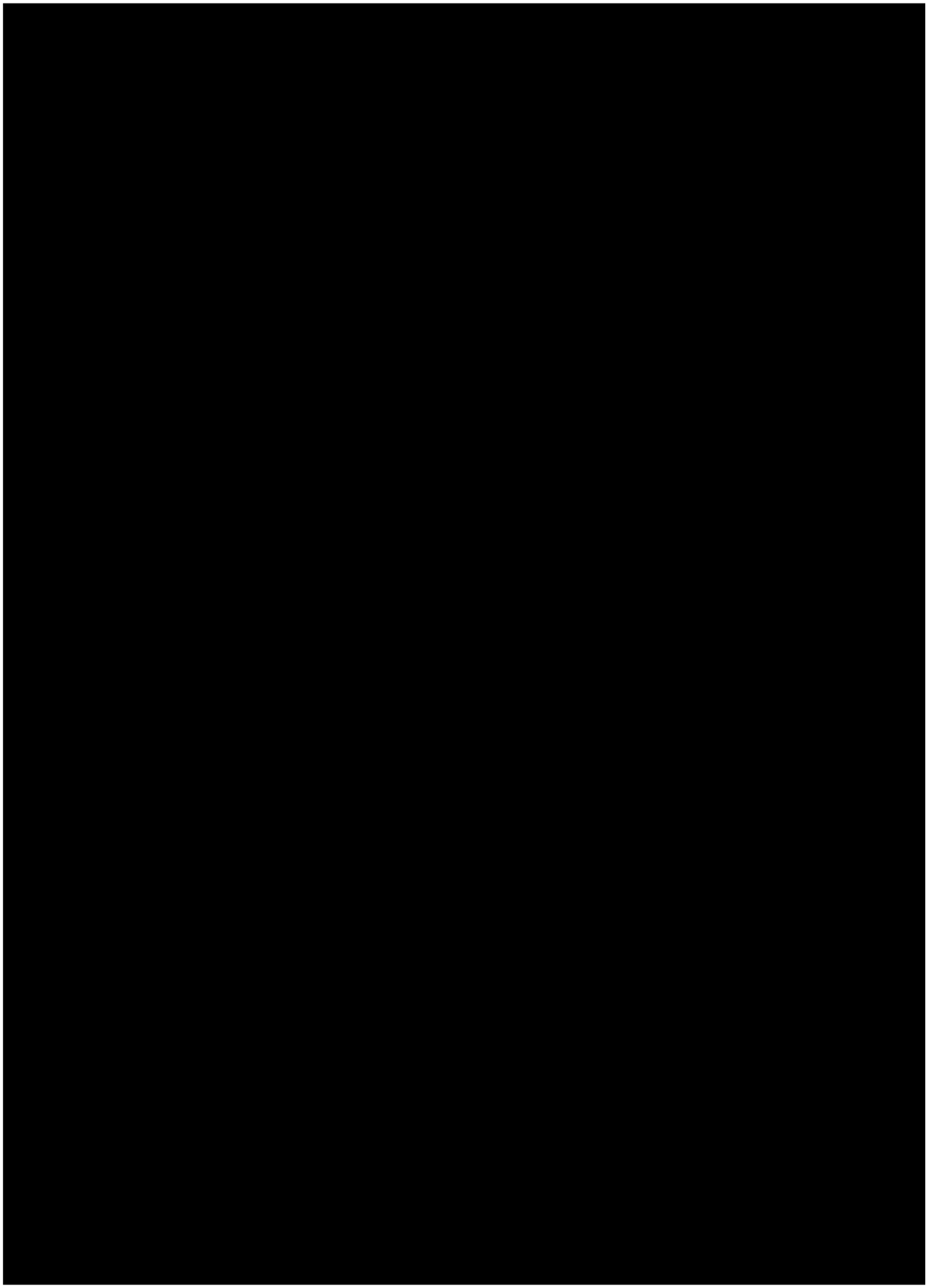

Revision 0 of the EOP supersedes previous EOPs as of April 18, 2022.

Revision	Date Approved	Description of Revision	Name
0	April 18, 2022	Changes reflect PUC Subst. Rule 25.53	Cory Allen

STEC Safety is our way of life	**Emergency Operations Plan** **Weather Emergency Plan/Checklists (Transmission)**	
Compliance Directive: PUC Subst. Rule §25.53	**Entity Name:** South Texas Electric Cooperative, Inc.	
Approved by:	**Current Version:** 0	**Current Version Date:** 04/15/2022

1. Application

This plan applies to the STEC transmission system and includes guidelines that apply to preparation, operation, and restoration efforts when confronted by extreme winter weather or extreme hot weather emergencies. The risk of having inadequate system power supply increases during extremely cold and extremely hot weather due to the increase in system load. Higher than normal system load increases the chances of the ERCOT system entering an energy emergency alert (EEA) process and increases the loading of transmission lines and transformers. This plan includes processes that stem from lessons learned in past extreme weather events.

STEC will activate its EOP and annexes to mitigate emergencies and take the necessary actions to ensure the reliable operation of its transmission system.

The responsibilities and actions planned for responding to extreme winter weather and extreme hot weather events are as described in the General Operations section of the Emergency Operations Plans (EOP).

2. Extreme Winter Weather Preparation

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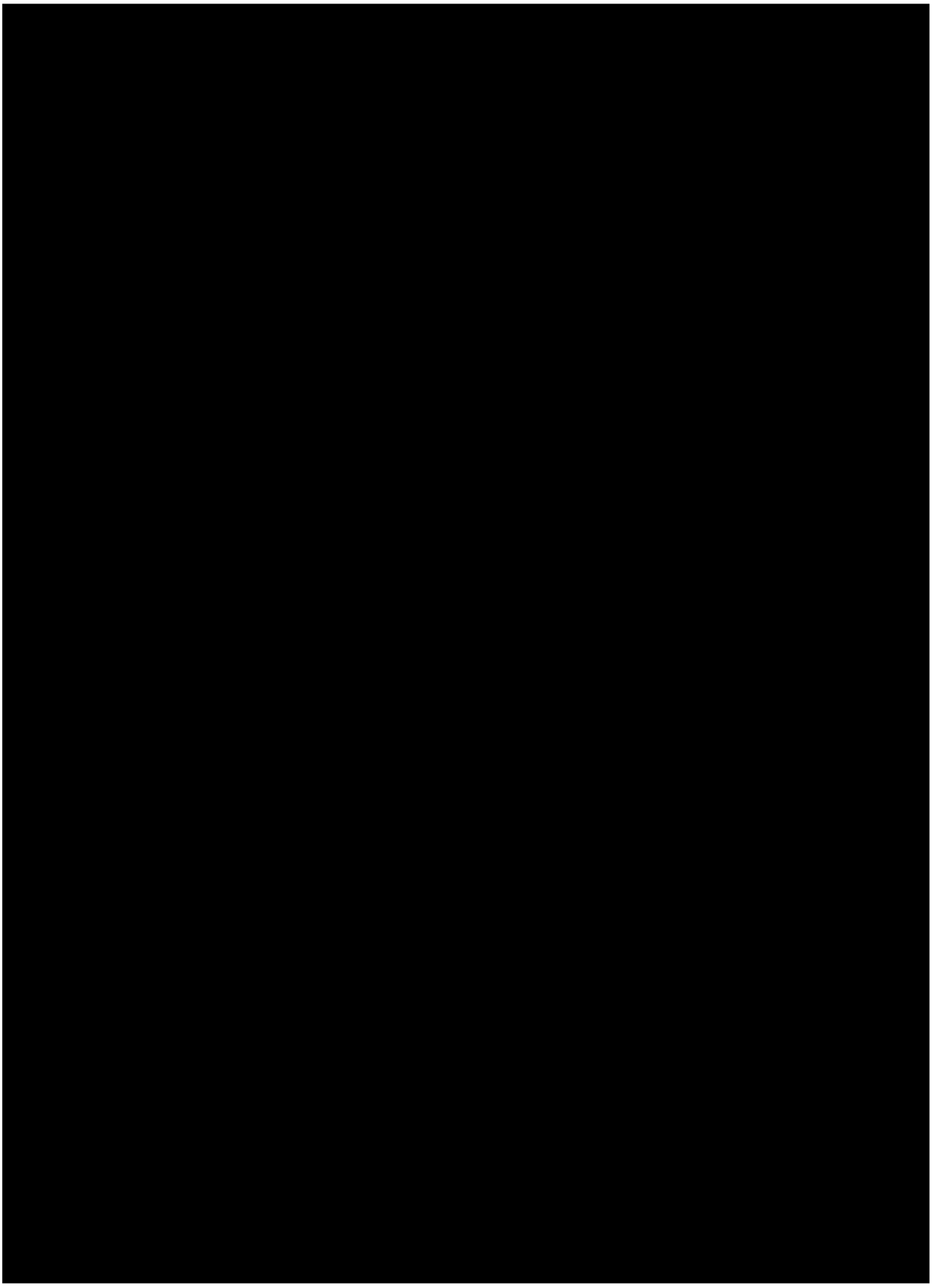

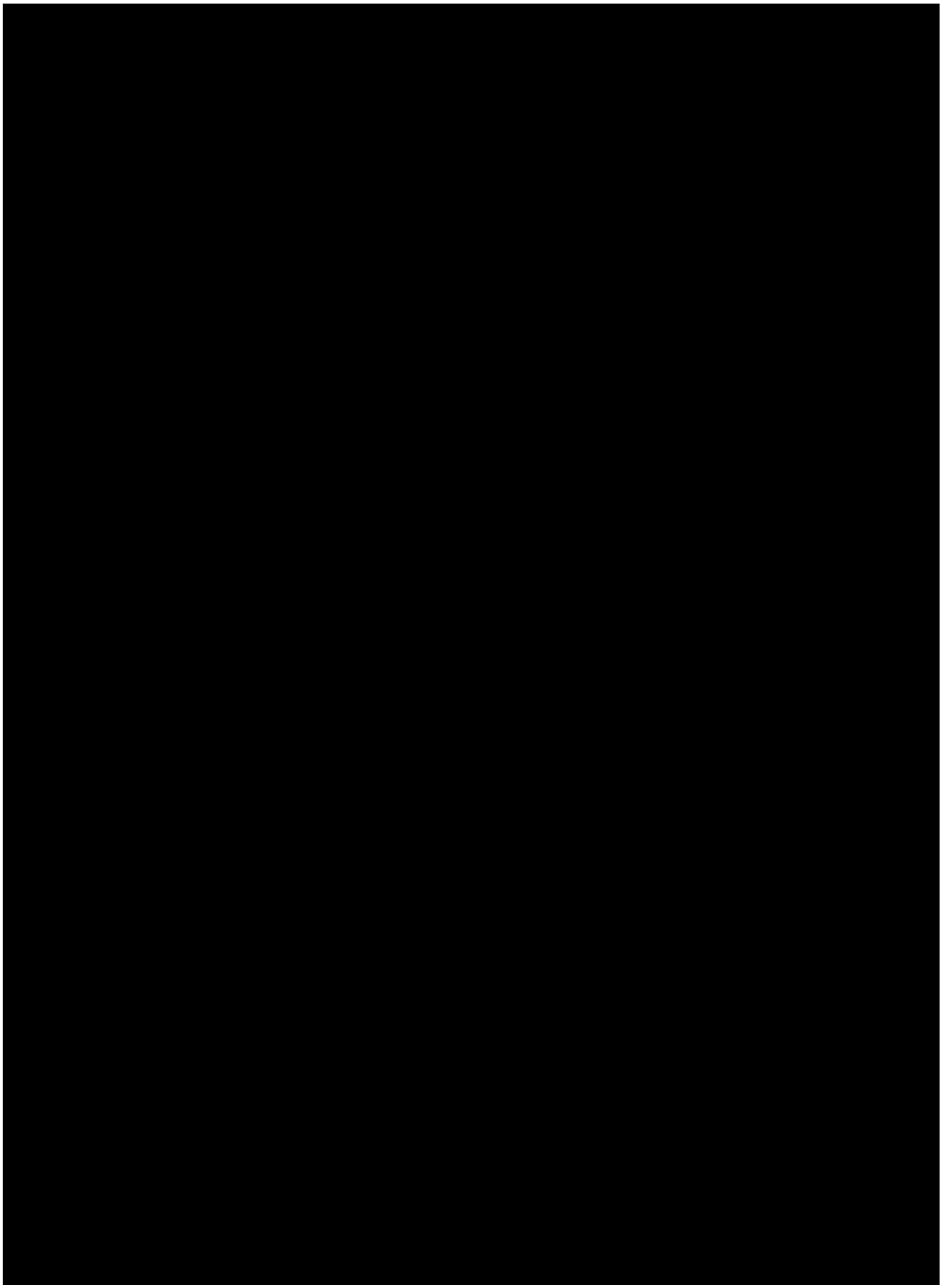

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3. Extreme Hot Weather

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STEC Safety is our way of life	**Emergency Operations Plan** **Energy Emergency Alert and Load Shed Procedure**	
Compliance Directive: ERCOT Nodal Operating Guides Section 4: Emergency Operation and EOP-011-1	**Entity Name:** South Texas Electric Cooperative, Inc.	
Approved by:	**Current Version:** 4	**Current Version Date:** 04/15/2022

1. Application

When an event occurs in the ERCOT or STEC Local Control Center (LCC) area that requires the reduction of the demand of electrical energy such as during operating emergencies of the transmission system or during times of insufficient generating capacity, STEC LCC actions are determined by the severity of the emergency and shall comply with the ERCOT Operating Guides and NERC Requirements. The following procedures apply to load shed, curtailments and curtailment priorities and include the ERCOT Energy Emergency Alert (EEA) Level responsibilities and automatic load shed processes.

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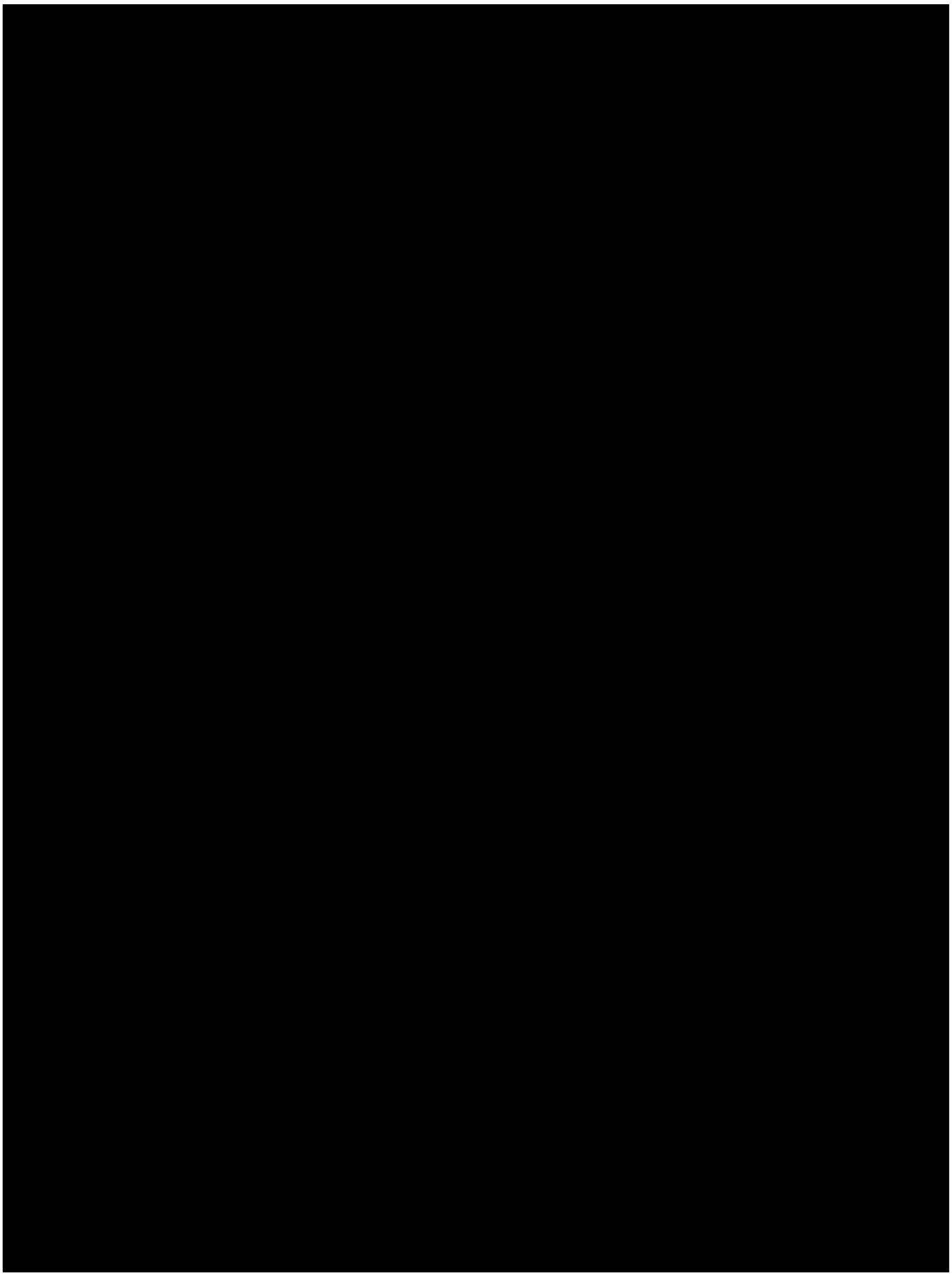
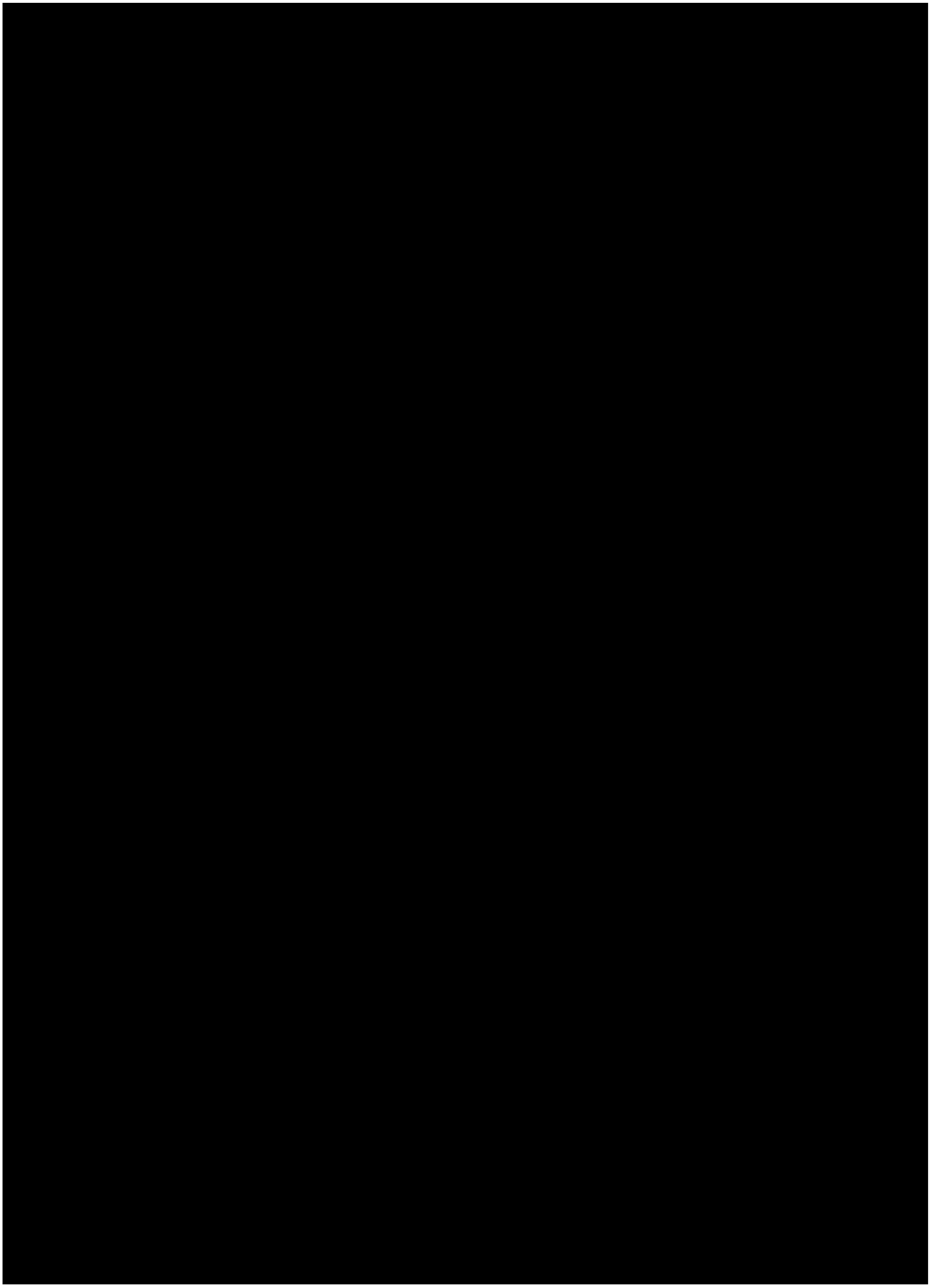
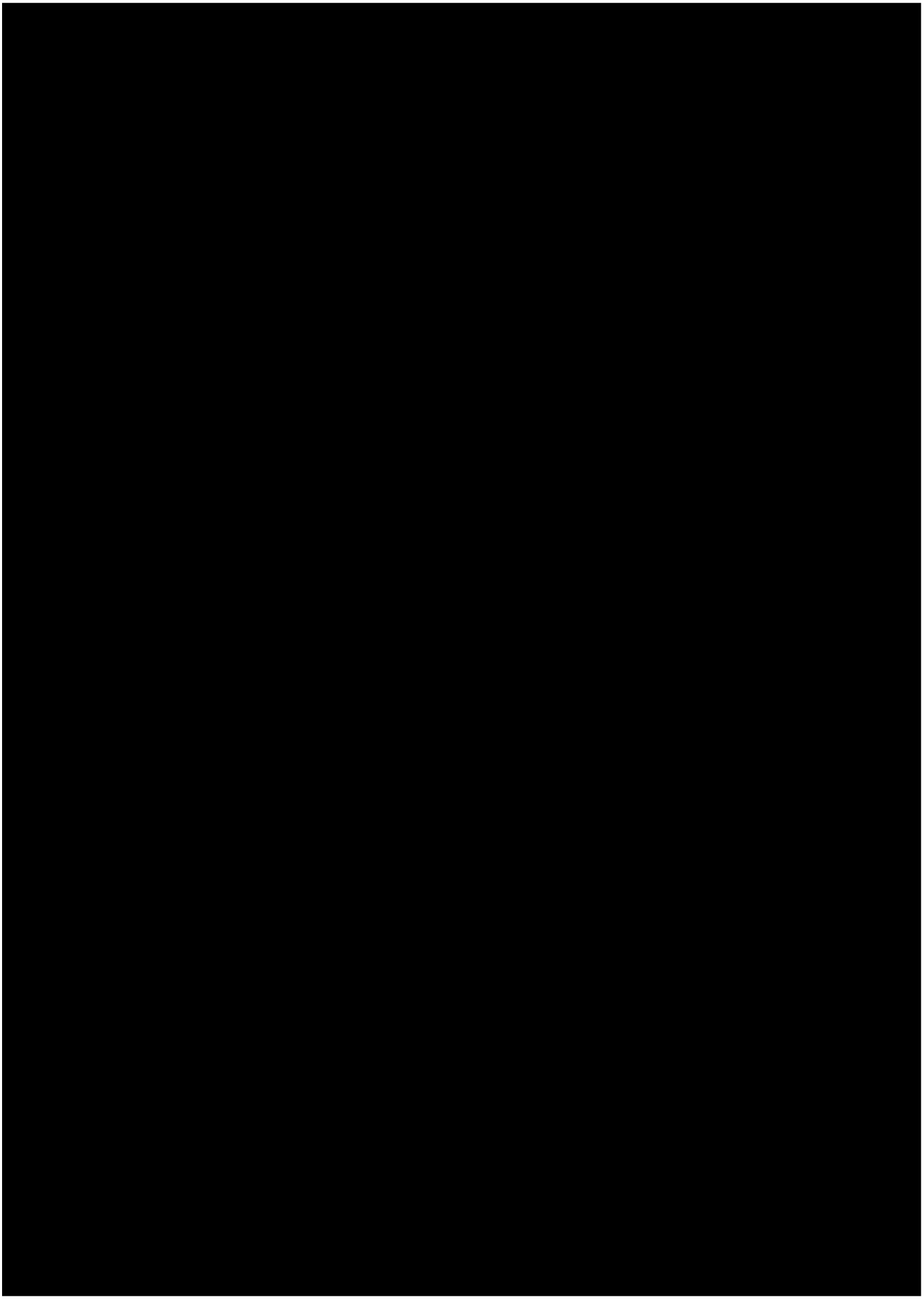
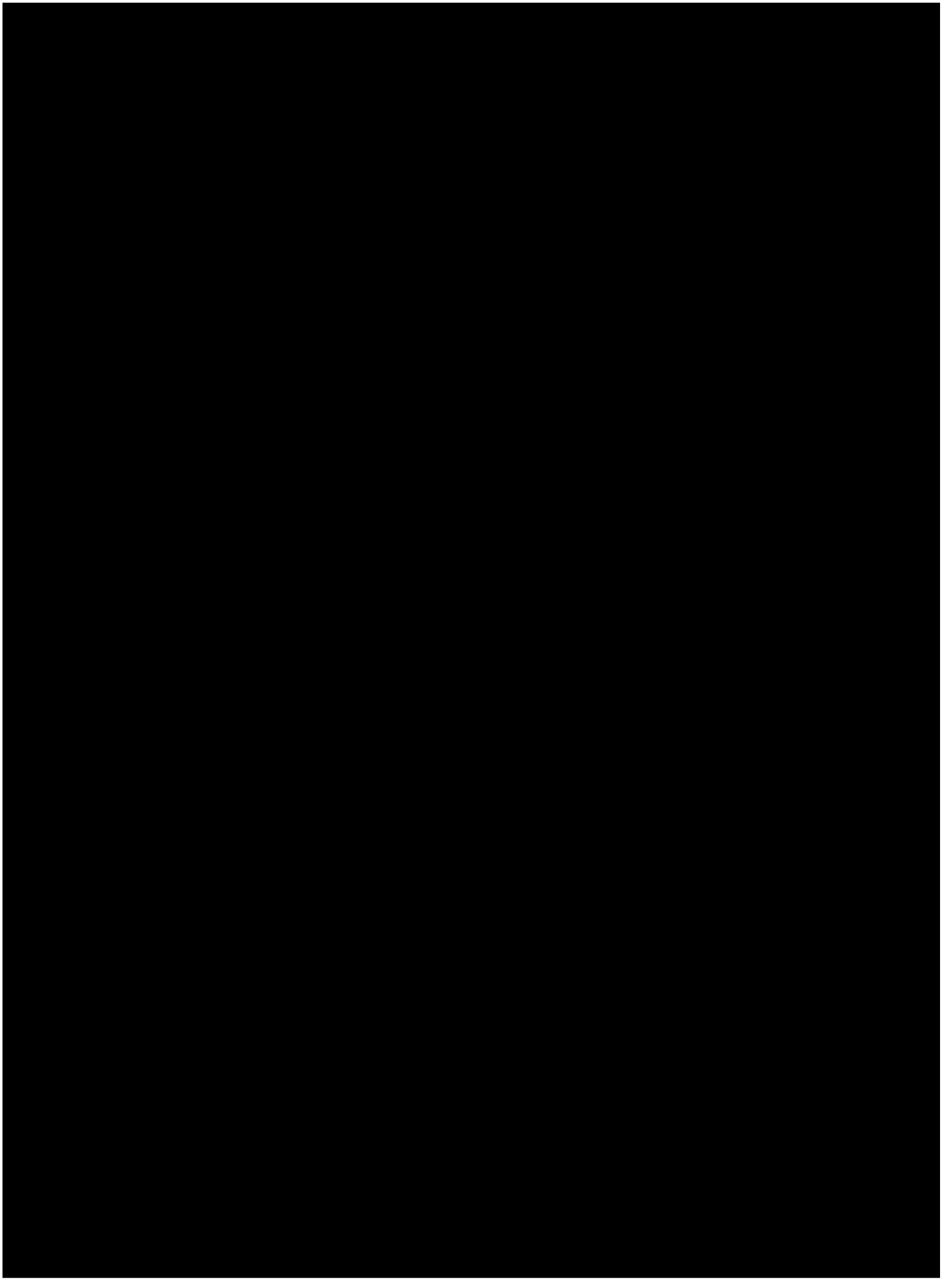








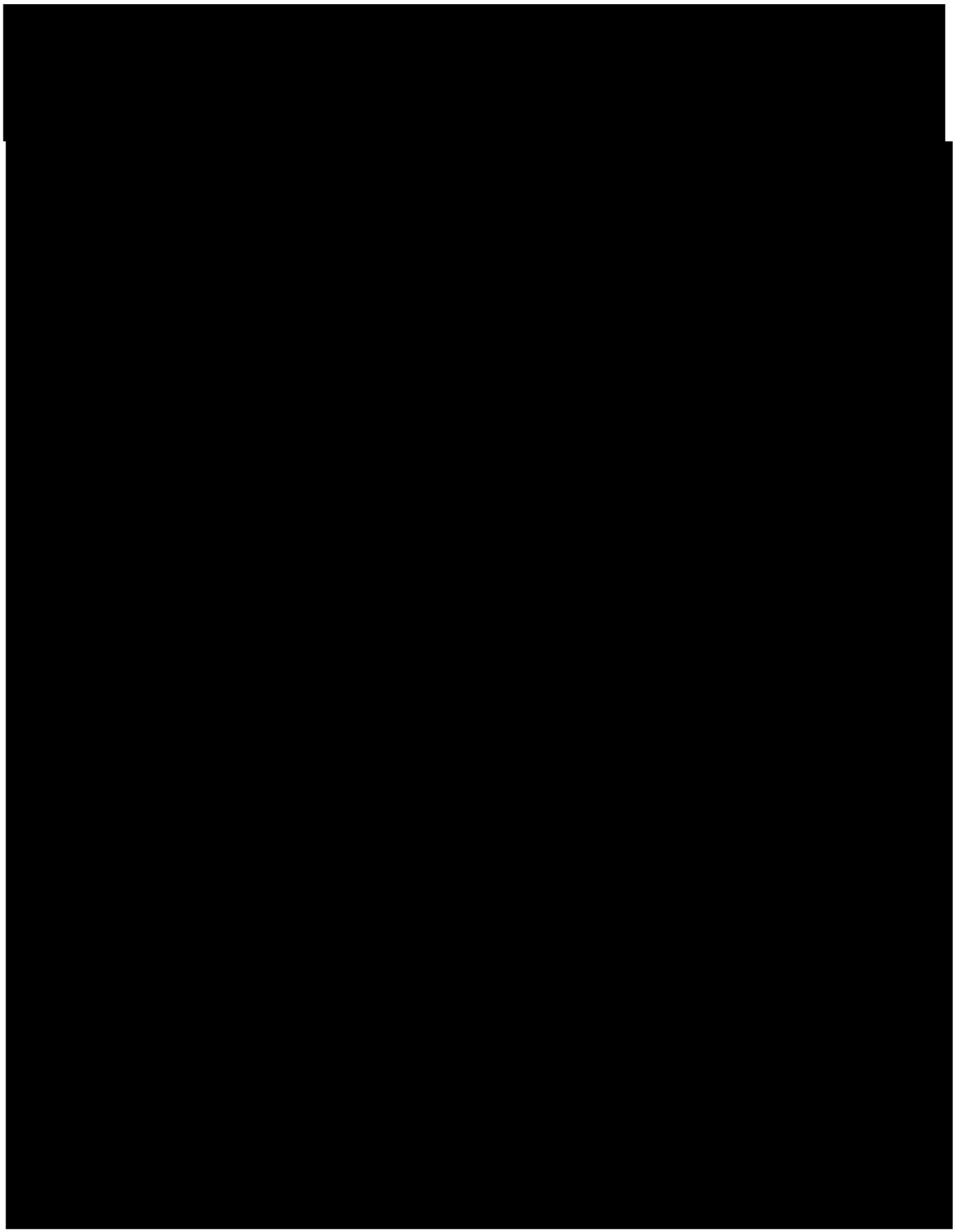
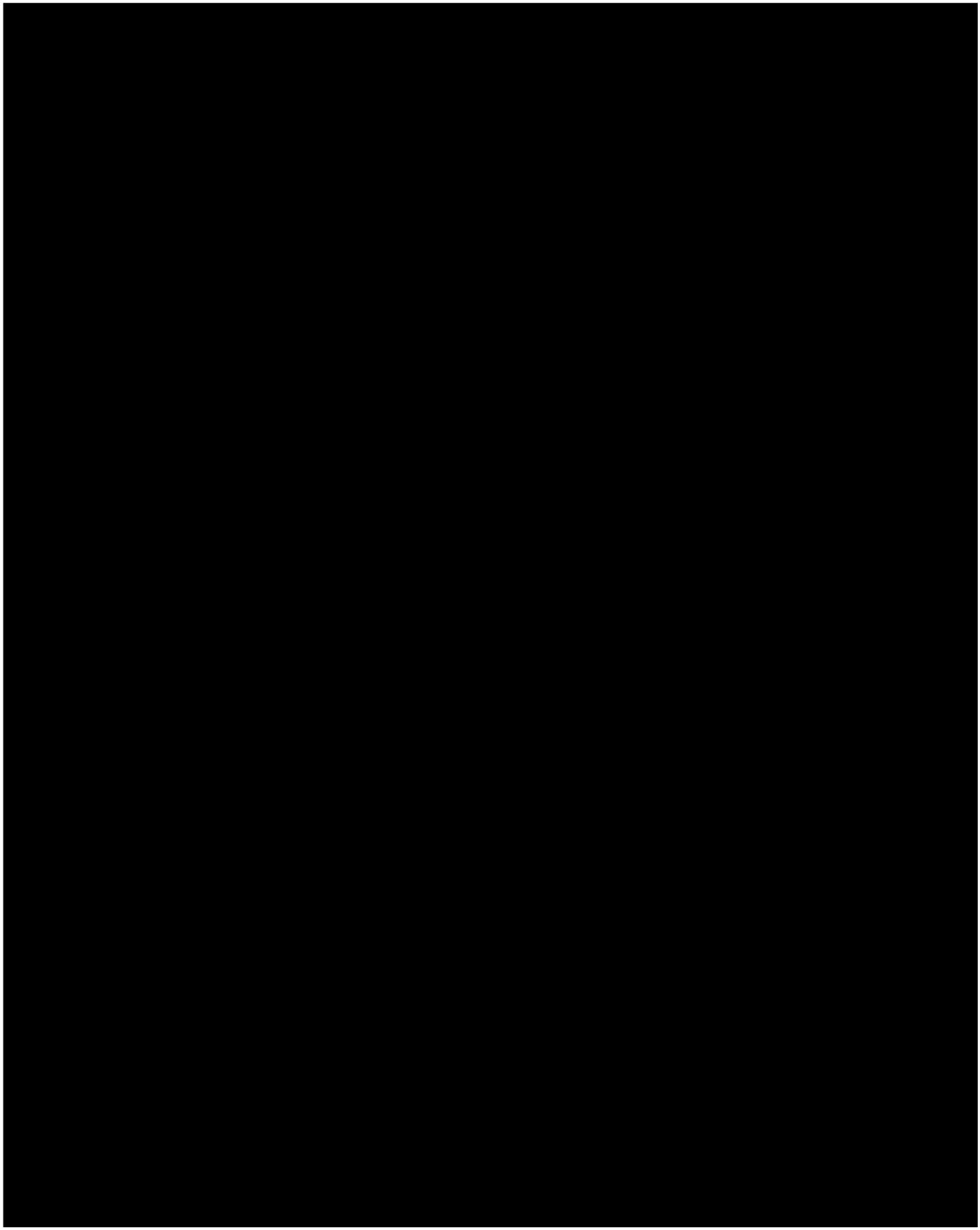


Exhibit A: Load Shed Obligation Table

Transmission Operator	2020 Total Transmission Operator Load (%MW)
AEP Texas Central Company	8.23
Brazos Electric Power Cooperative Inc.	5.11
Brownsville Public Utilities Board	0.36
Bryan Texas Utilities	0.51
CenterPoint Energy Houston Electric LLC	24.78
City of Austin DBA Austin Energy	3.55
City of College Station	0.28
City of Garland	0.76
City of Lubbock	0.62
CPS Energy (San Antonio)	6.47
Denton Municipal Electric	0.48
GEUS (Greenville)	0.15
Golden Spread Electric Cooperative Inc.	0.38
Lamar County Electric Cooperative Inc.	0.07
LCRA Transmission Services Corporation	6.05
Oncor Electric Delivery Company LLC	36.16
Rayburn Country Electric Cooperative Inc. DBA Rayburn Electric	1.38
South Texas Electric Cooperative Inc.	2.00
Texas-New Mexico Power Company	2.66
ERCOT Total	100.00



STEC Safety is our way of life	**Pandemic Plan**	
Compliance Directive: PUCT 25.53	**Entity Names:** South Texas Electric Cooperative, Inc. South Texas Solar Power, LLC	
Approved By: Wendy Ohrt	**Current Version:** 2.2	**Current Version Date:** 03/03/2020

Pandemic Plan Review History Log		
Date	**Description**	**Initials**
5/31/2016	Review / Update	RD
1/17/17	Review / Update	SB
5/8/18	Review of plan	TC
6/5/19	Review of plan	TC
3/6/20	Review of plan	WO
7/6/20	Review/Update	WO/AP
4/4/22	Review/Update	WO

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1. Pandemic/Epidemic Plan

1.1. Introduction

South Texas Electric Cooperative, Inc. (STEC), on behalf of itself and South Texas Solar Power, LLC (STSP), has established a pandemic/epidemic preparedness plan to ensure the health and safety of employees when there is a pandemic/epidemic threat. Pandemic/epidemics are global epidemics of disease that occur on a worldwide scale and are traditionally caused by infectious disease, such as influenza. Pandemic/epidemics are unpredictable in their timing and impact making it vital to plan.

STEC's decisions involving persons who have or may have a highly contagious disease will be based on current and well-informed medical judgements concerning the disease, the risks of transmitting the illness to others, the symptoms and special circumstances of each individual who has or may have a contagious disease, and careful weighing of the identified risks and the available alternative for responding to an employee with a communicable disease.

A STEC Pandemic/epidemic Response Team (PRT) has been established and is comprised of Senior Management and the General Manager. The Manager of Corporate and Member Services will oversee the Pandemic/epidemic Response Team to anticipate the impacts on STEC and STSP and to assist with developing strategies to manage the effects of an outbreak.

This plan applies to the transmission and generation facilities owned by STEC, including the facilities at the Pearsall Power Plant, Red Gate Power Plant, Donna office and Sam Rayburn Power Plant and Headquarters Complex, and to the STSP generation facilities located at the Pearsall Power Plant and the Red Gate Power Plant.

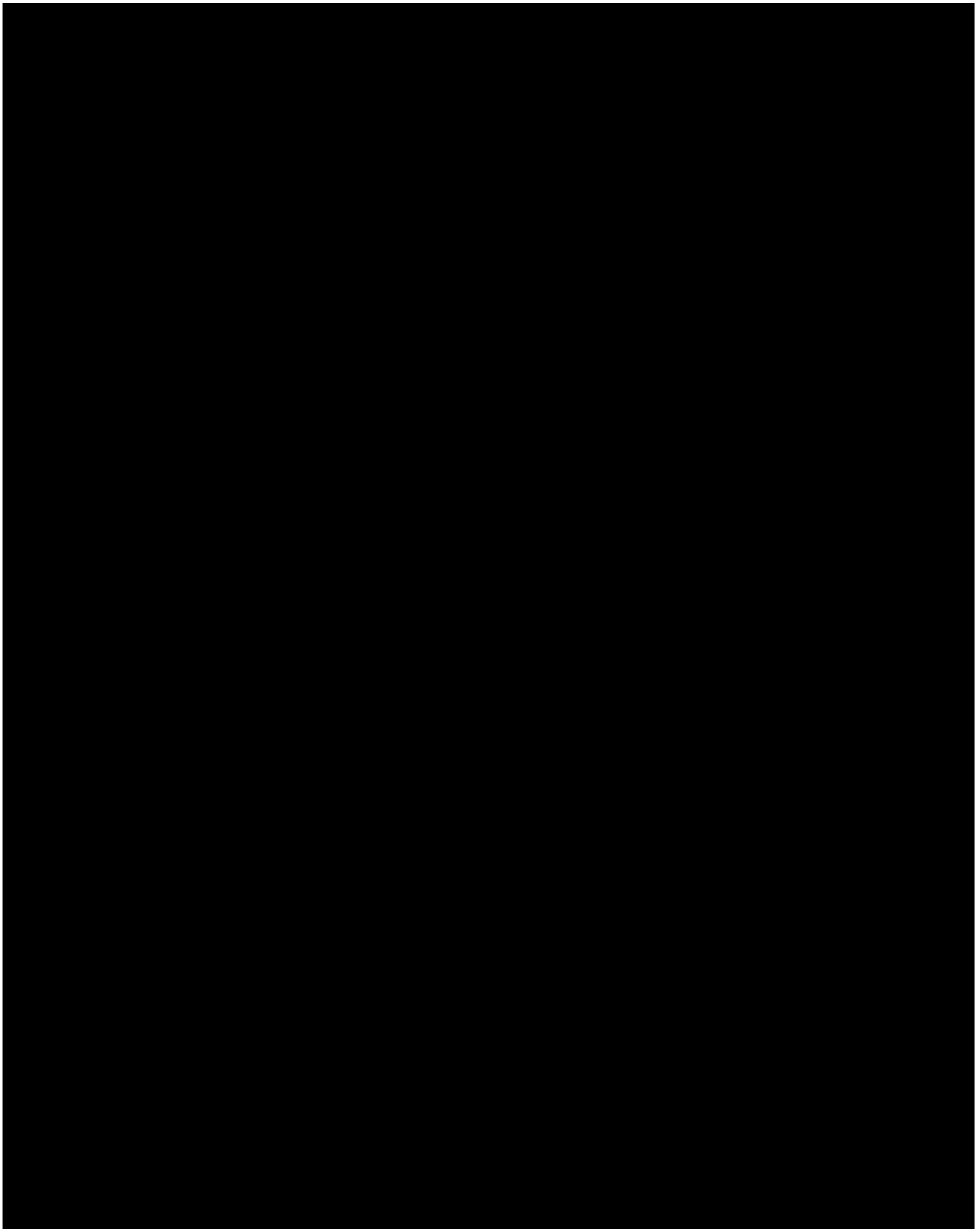
1.2. Scope and Objectives

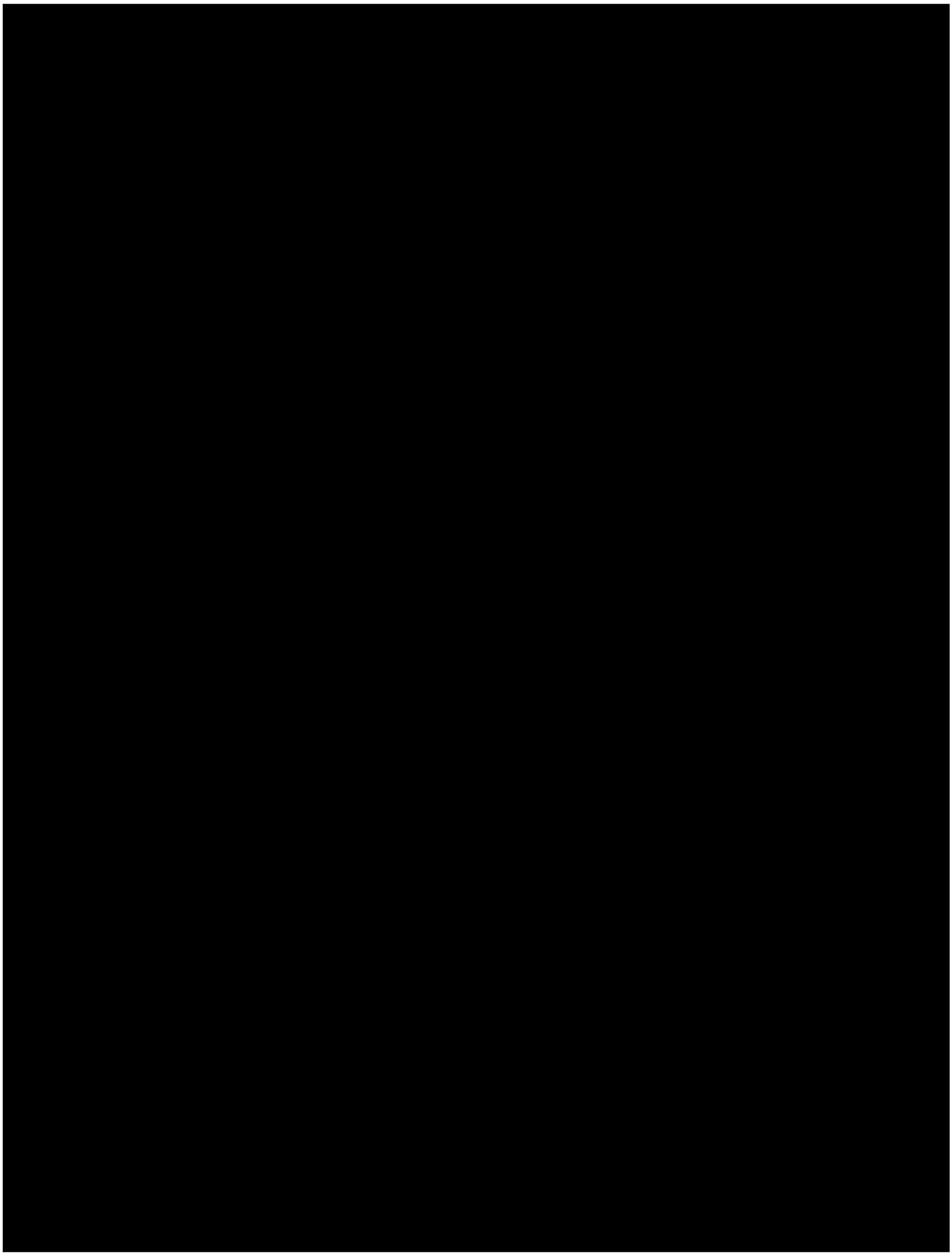
The objectives of this Plan are to provide:

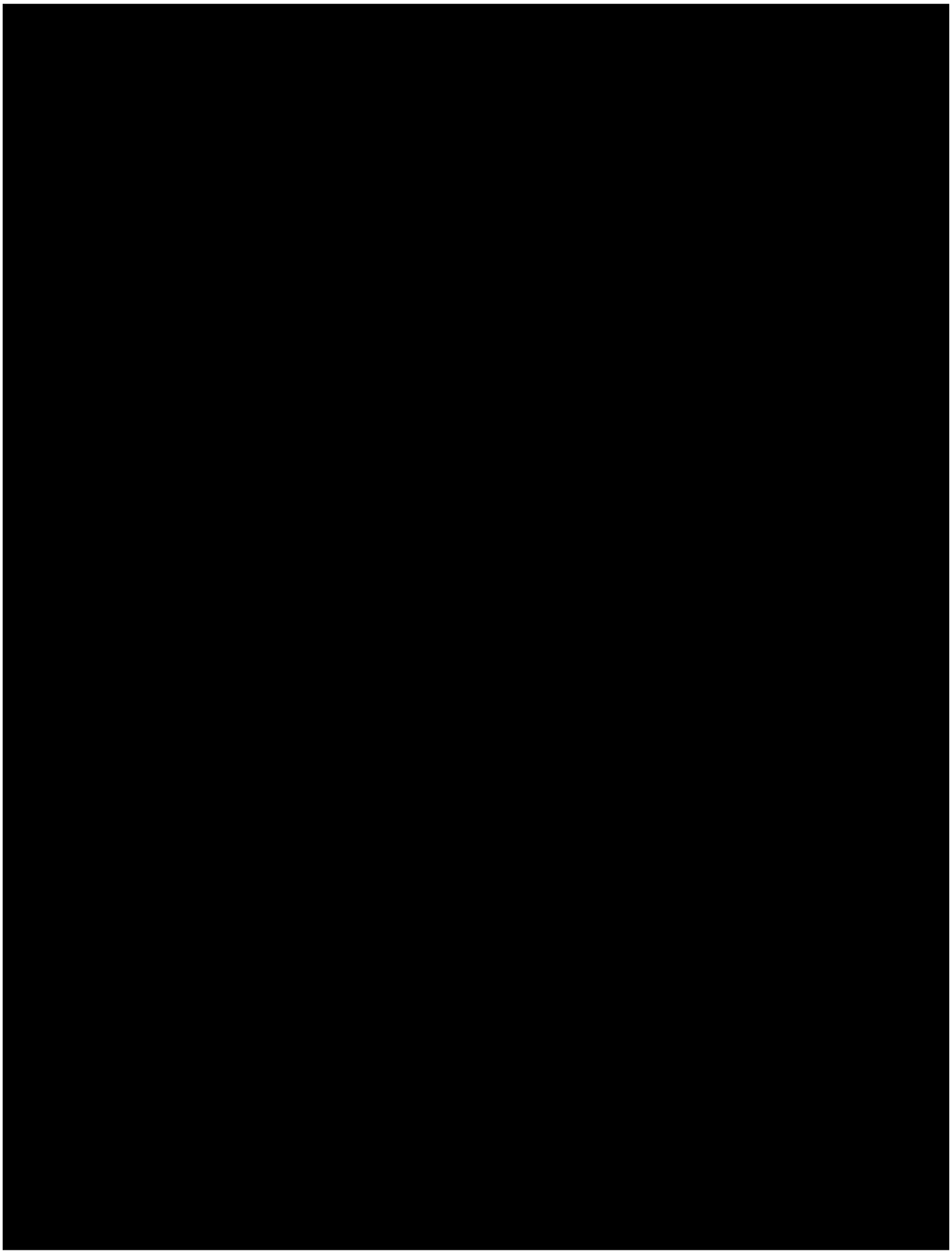
- Background information on pandemic/epidemic concerns;
- Pandemic/epidemic actions for STEC and STSP employees;
- A list of precautionary measures;
- A checklist to assist management in providing the prerequisites that make the Plan effective; and
- A consistent approach regarding preparation for and management of the Pandemic/epidemic.

1.3. Pandemic/epidemic Background

According to the Centers for Disease Control and Prevention (CDC), a pandemic/epidemic occurs when a new infectious disease appears, against which no one is immune. This may result in several simultaneous epidemics worldwide with large numbers of sick people and deaths. With the increase in global transport and urbanization, epidemics caused by the new virus are likely to occur rapidly around the world.







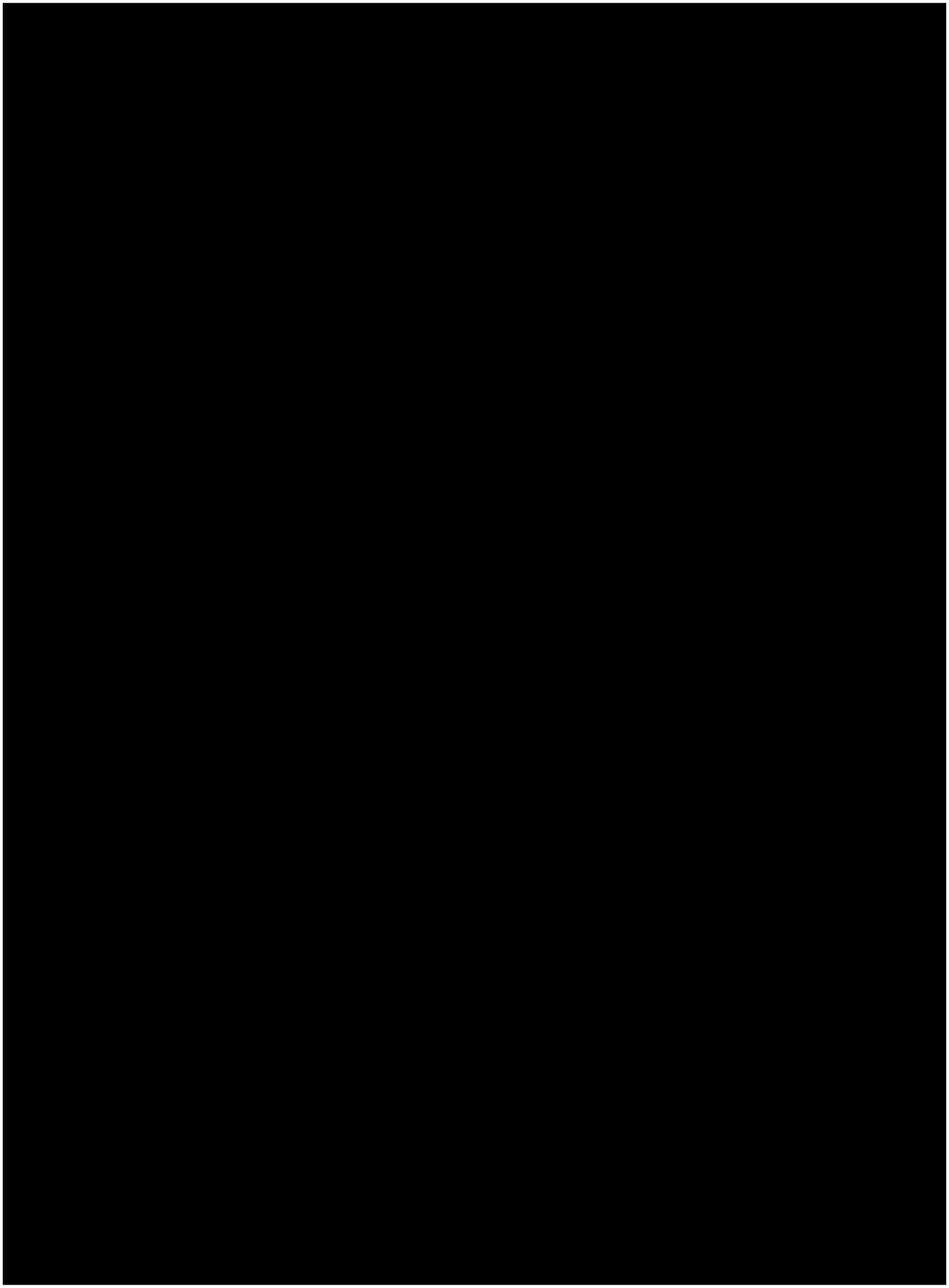
2. Incident Management Phases and Actions

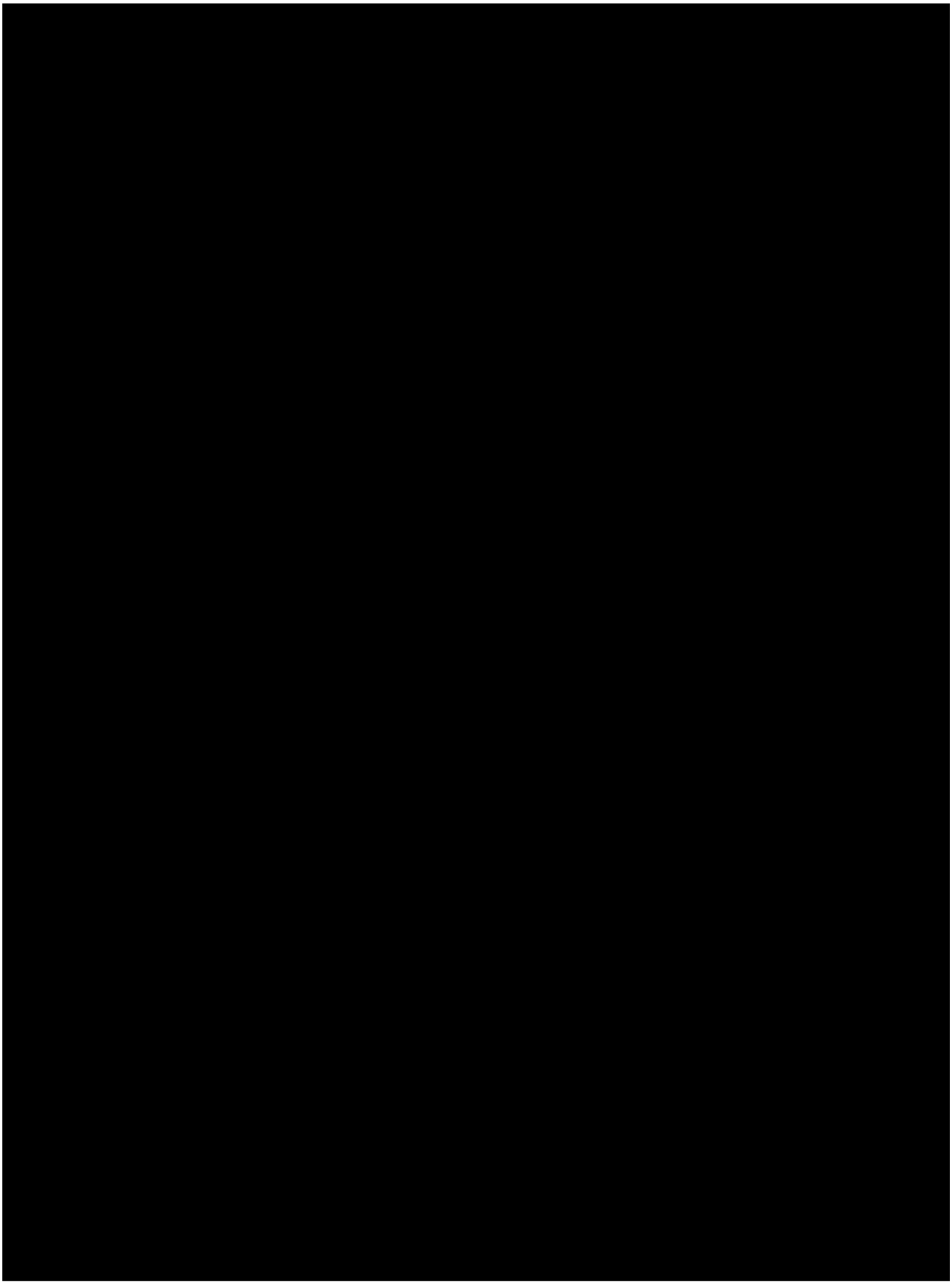
2.1. World Health Organization (WHO) Pandemic Phases

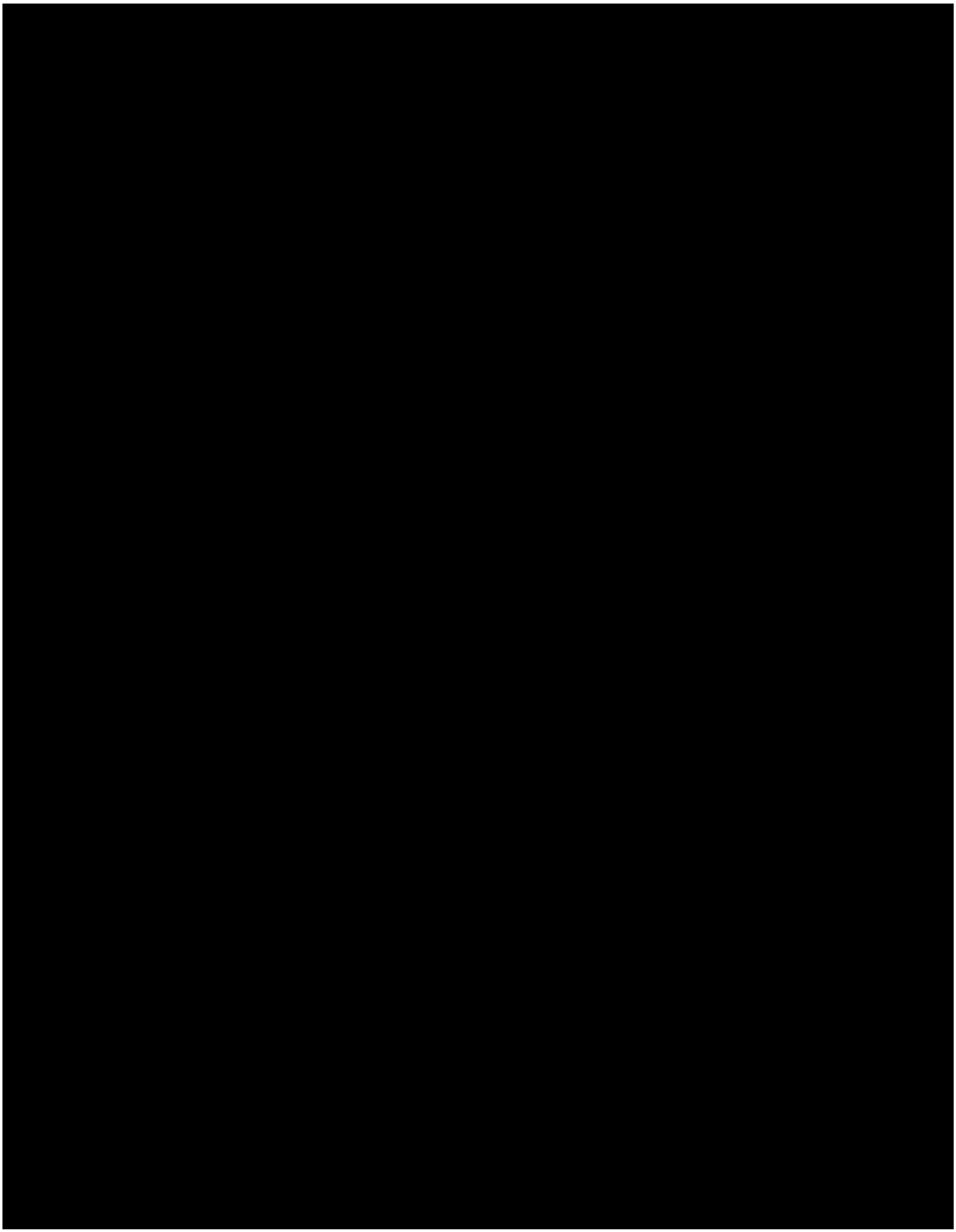
The World Health Organization (WHO) has developed a phased approach in recognizing and reacting to a worldwide pandemic. These phases and associated pandemic periods are shown in Figure 1 below. These phases act as trigger points for specific recommended actions.

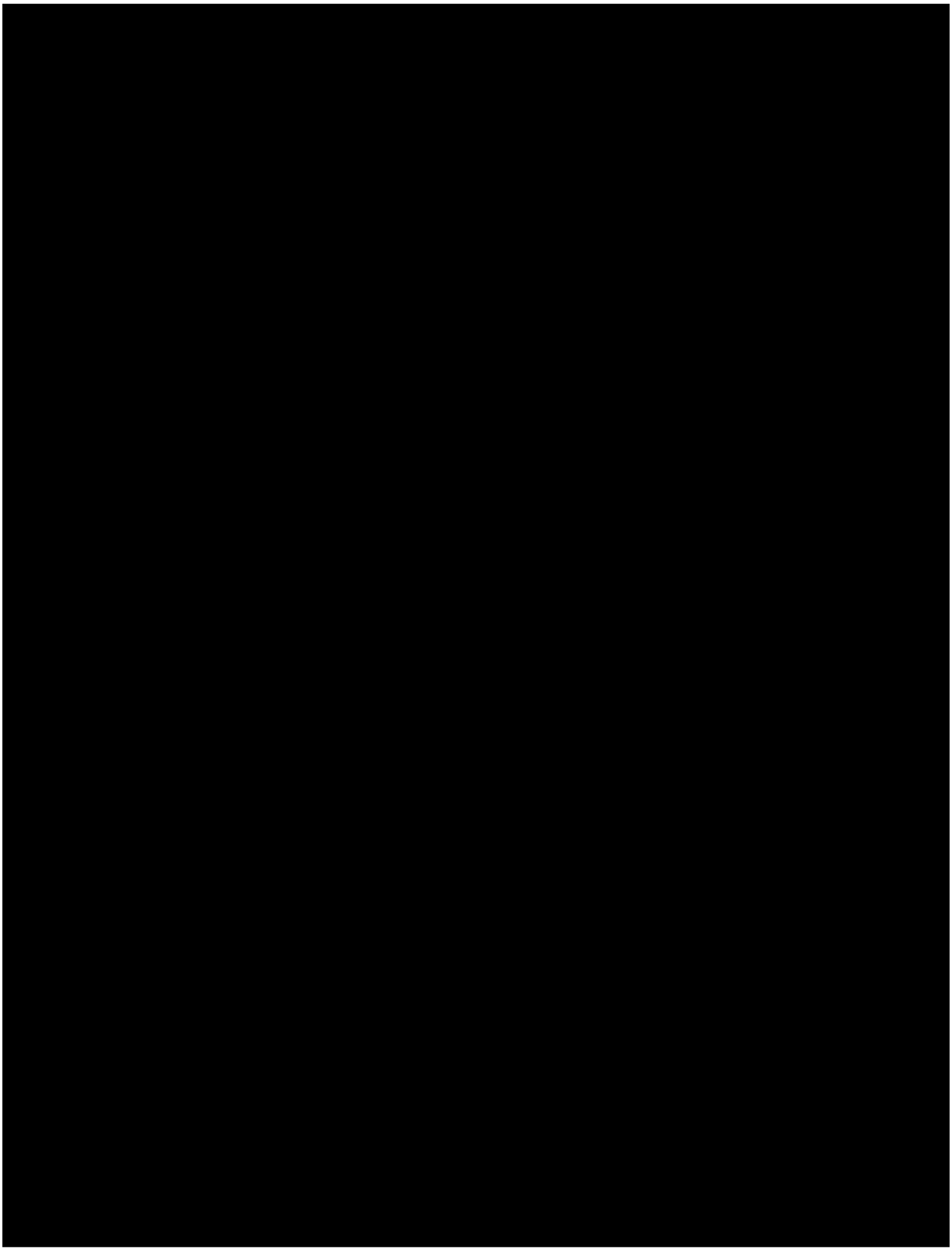
Figure 1.

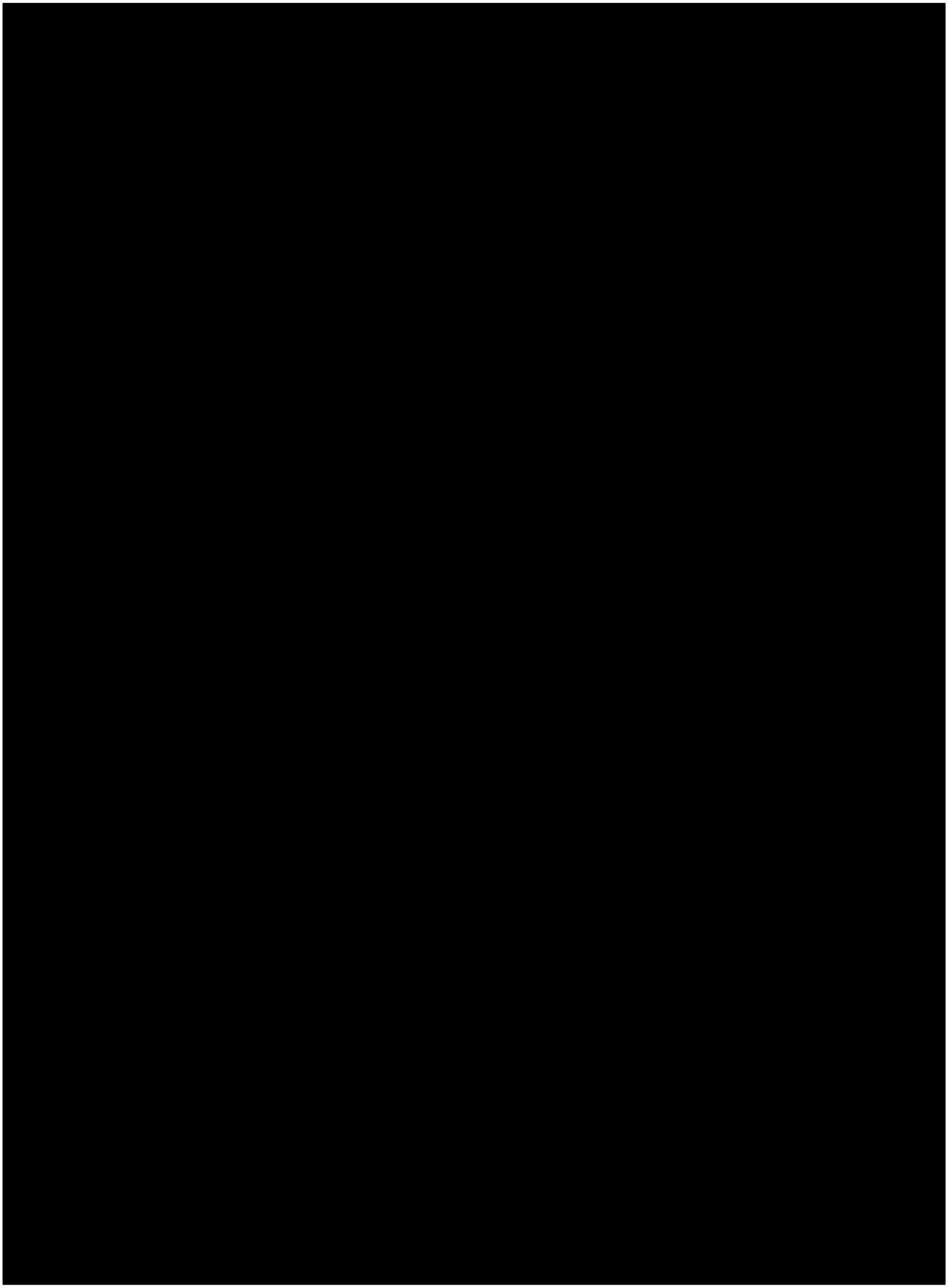
Inter-pandemic Period	**Phase 1**	No animal influenza virus circulating among animals have been reported to cause infection in humans.
	Phase 2	An animal influenza virus circulating in domesticated or wild animals is known to have caused infection in humans and is therefore considered a specific potential pandemic threat.
Pandemic Alert Period	Phase 3	An animal or human-animal influenza reassortant virus has caused sporadic cases or small clusters of disease in people, but has not resulted in human-to-human transmission sufficient to sustain community-level outbreaks.
	Phase 4	Human to human transmission of an animal or human- animal influenza reassortant virus able to sustain community-level outbreaks has been verified.
	Phase 5	The same identified virus has caused sustained community level outbreaks in two or more countries in one WHO region.
Pandemic Period	**Phase 6**	In addition to the criteria defined in Phase 5, the same virus has caused sustained community level outbreaks in at least one other country in another WHO region.

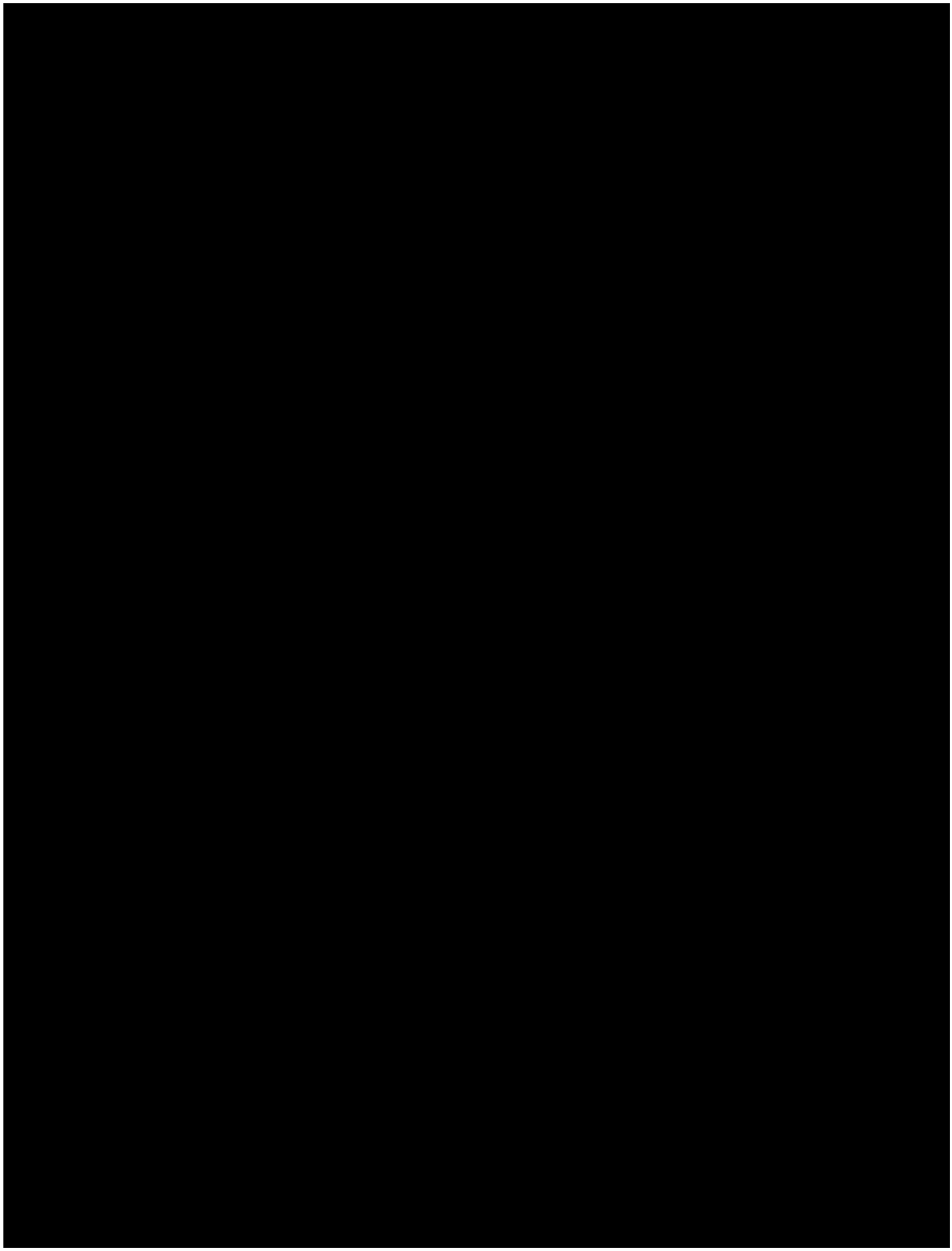


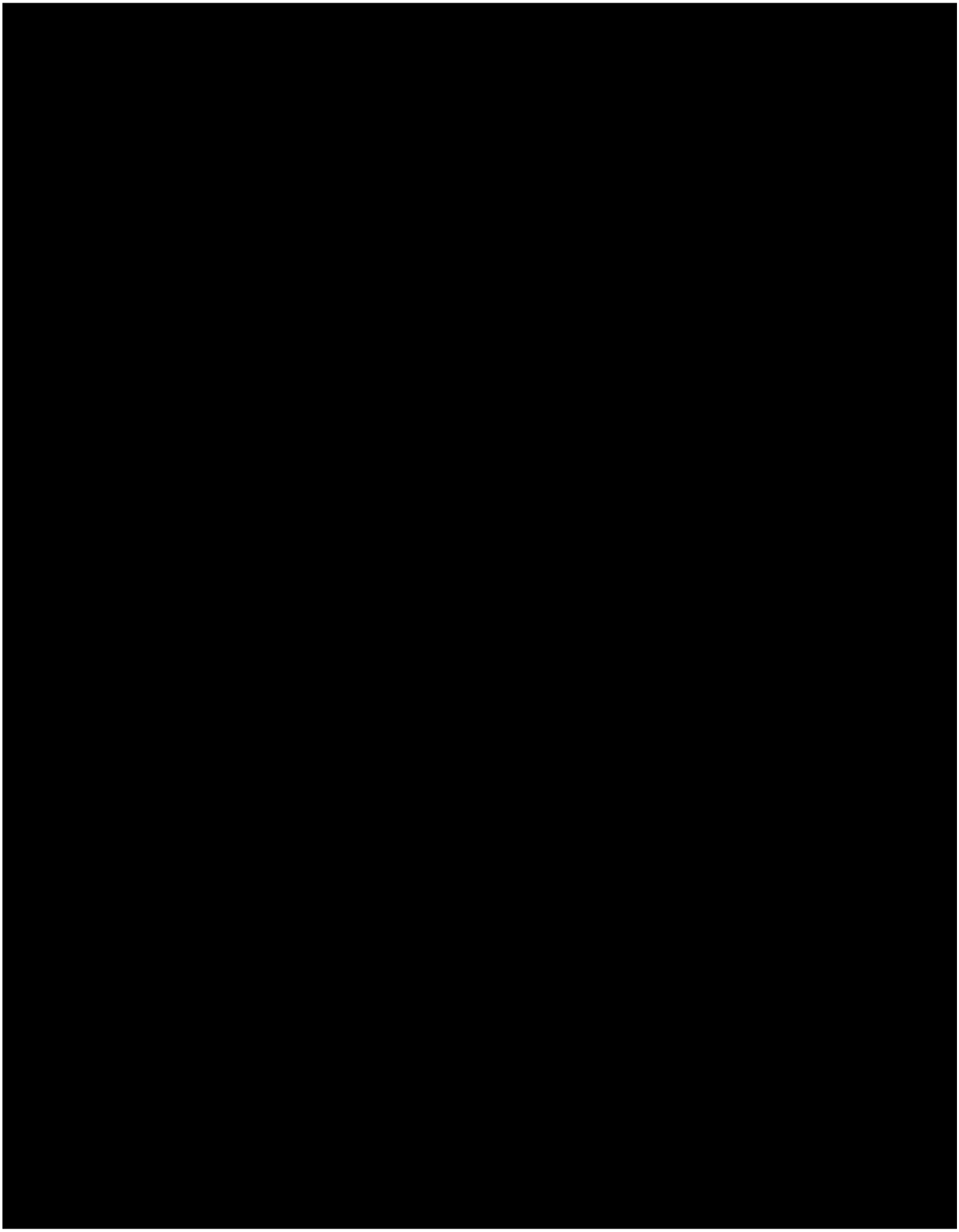


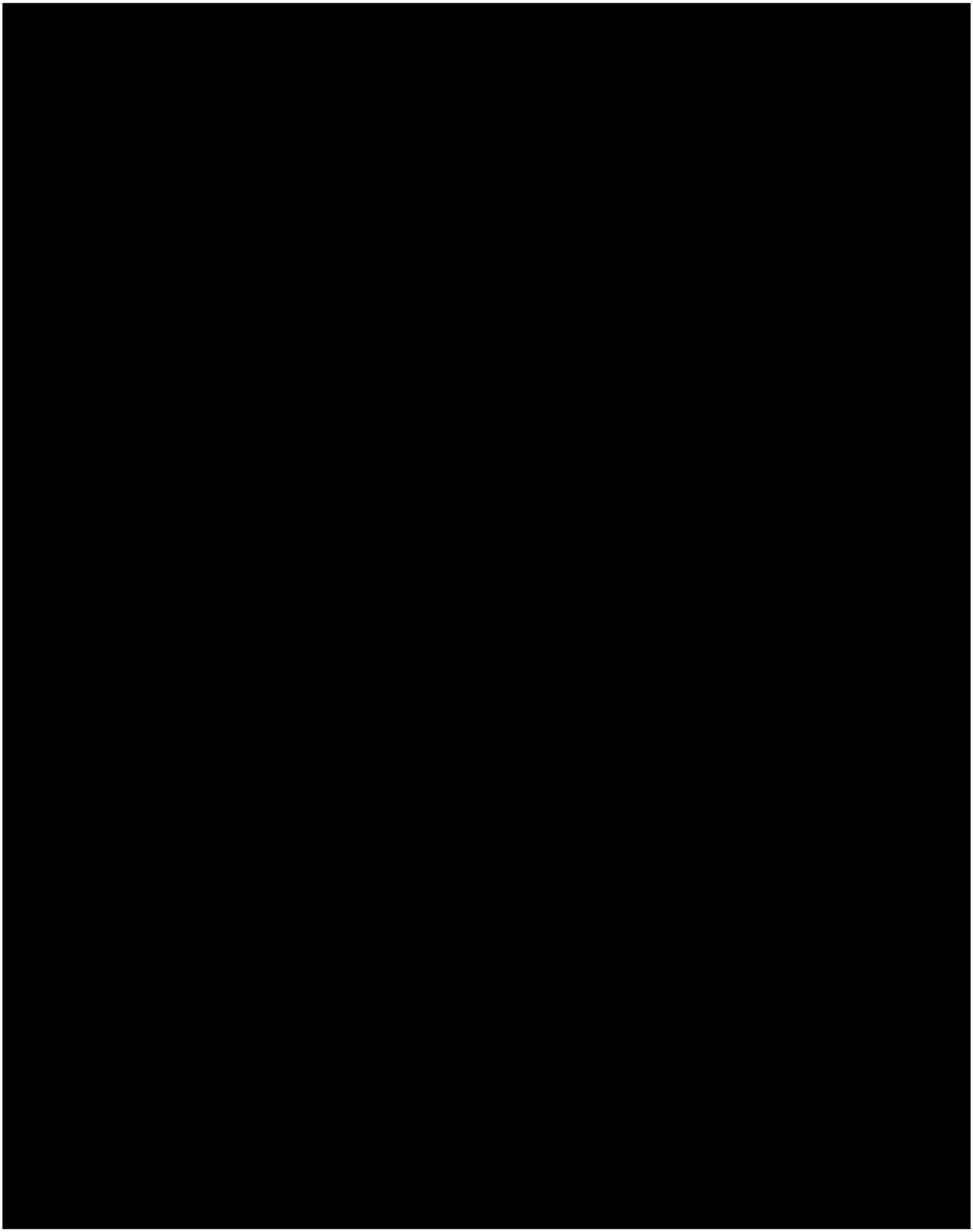


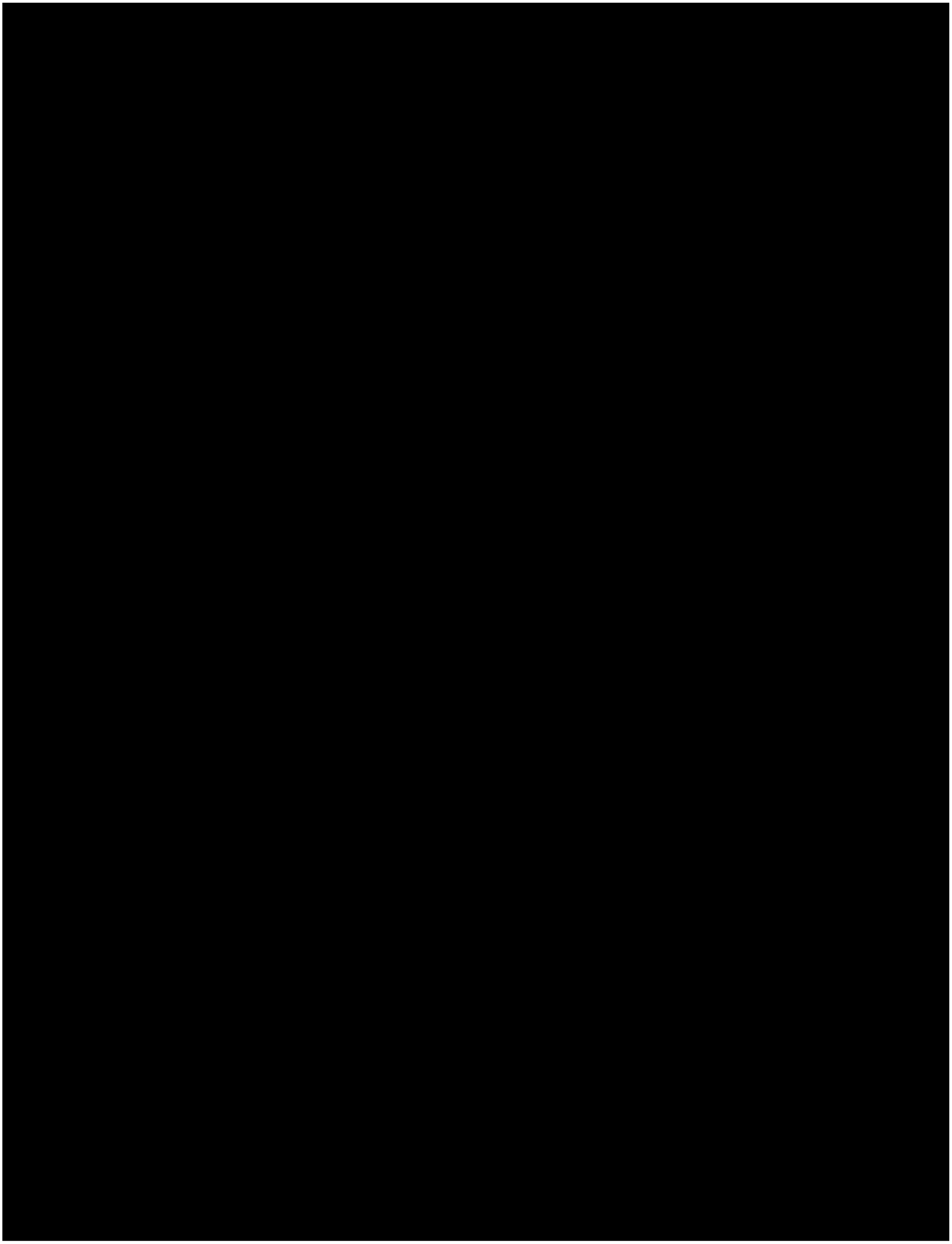












6.2. Appendix B – Helpful Links

World Health Organization
http://www.who.int/en/

Pandemic Information
http://www.flu.gov/

United States Centers for Disease Control and Prevention
http://www.cdc.gov

Texas Health and Human Services
https://hhs.texas.gov/

STEC Safety is our way of life	**Emergency Operations Plans** **Wildfire Plan** **(Transmission)**	
	Entity Name: South Texas Electric Cooperative, Inc.	
Approved by:	**Current Version:** 0	**Current Version Date:** 04/15/2022

1. Application

Wildfires present hazards to employee and public safety and to transmission lines. Transmission line structures may be damaged and wood poles may ignite. Fires create extreme heat that causes excessive conductor sags. Ash is produced that may cause faults due to contamination of insulators. Component failures on transmission lines may ignite a fire in certain conditions.

Wildfires may travel up to a mile in three minutes in the right combination of wind and dry conditions.

This plan also applies to building fires that occur near transmission lines and to controlled agricultural burns.

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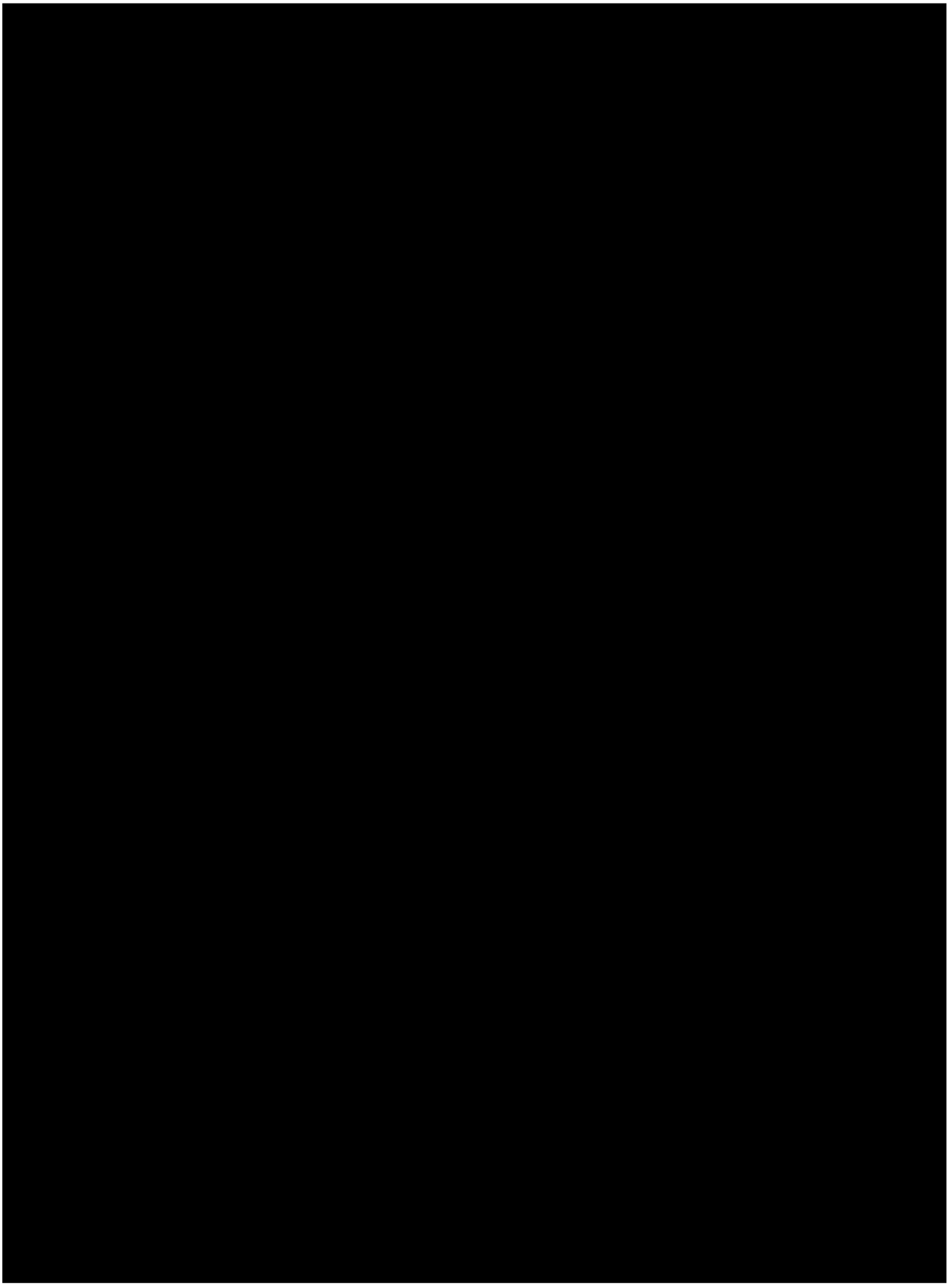

STEC Safety is our way of life	**Emergency Operations Plans** **Hurricane Preparedness Plan**	
Compliance Directive: Subst. Rule §25.53	**Entity Name:** South Texas Electric Cooperative, Inc. and South Texas Solar Power	
Approved by: Steve Bolle	**Current Version:** 3.5	**Current Version Date:** 5/4/2021

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INTRODUCTION

June through November is the hurricane season for the Texas Gulf Coast. When a storm enters or forms in the Caribbean Sea or the Gulf of Mexico the activities of STEC personnel will be guided by the alert levels described in this document. Alert Levels I through VI define department responsibilities during hurricane preparation and restoration. This document is a component of STEC's and STSP's Emergency Operations Plan.

The **General Manager** is responsible for delegation of responsibilities during coordination of hurricane preparedness and restoration efforts.

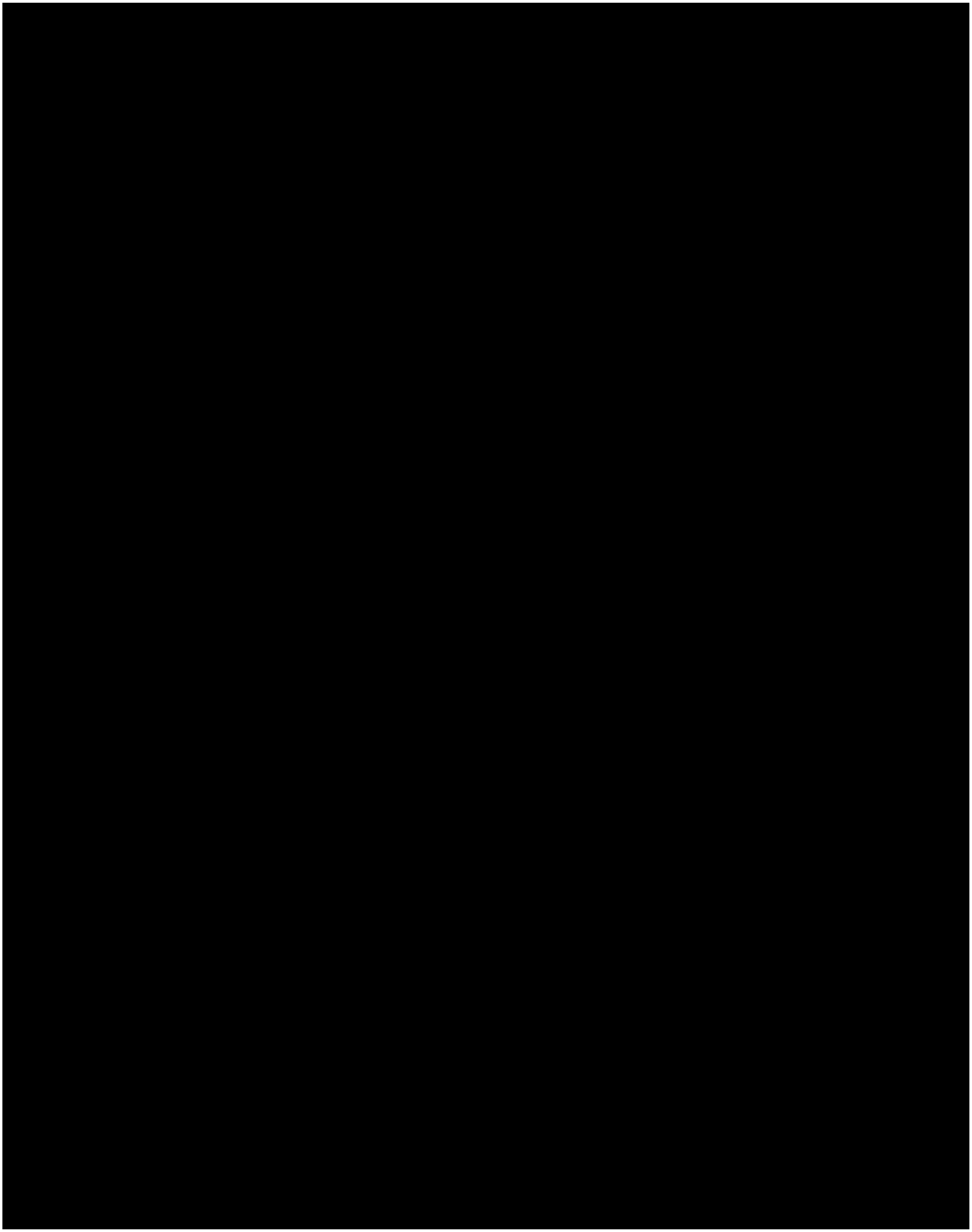
Comments and suggestions for refining this document shall be directed to the **Compliance Coordinator.**

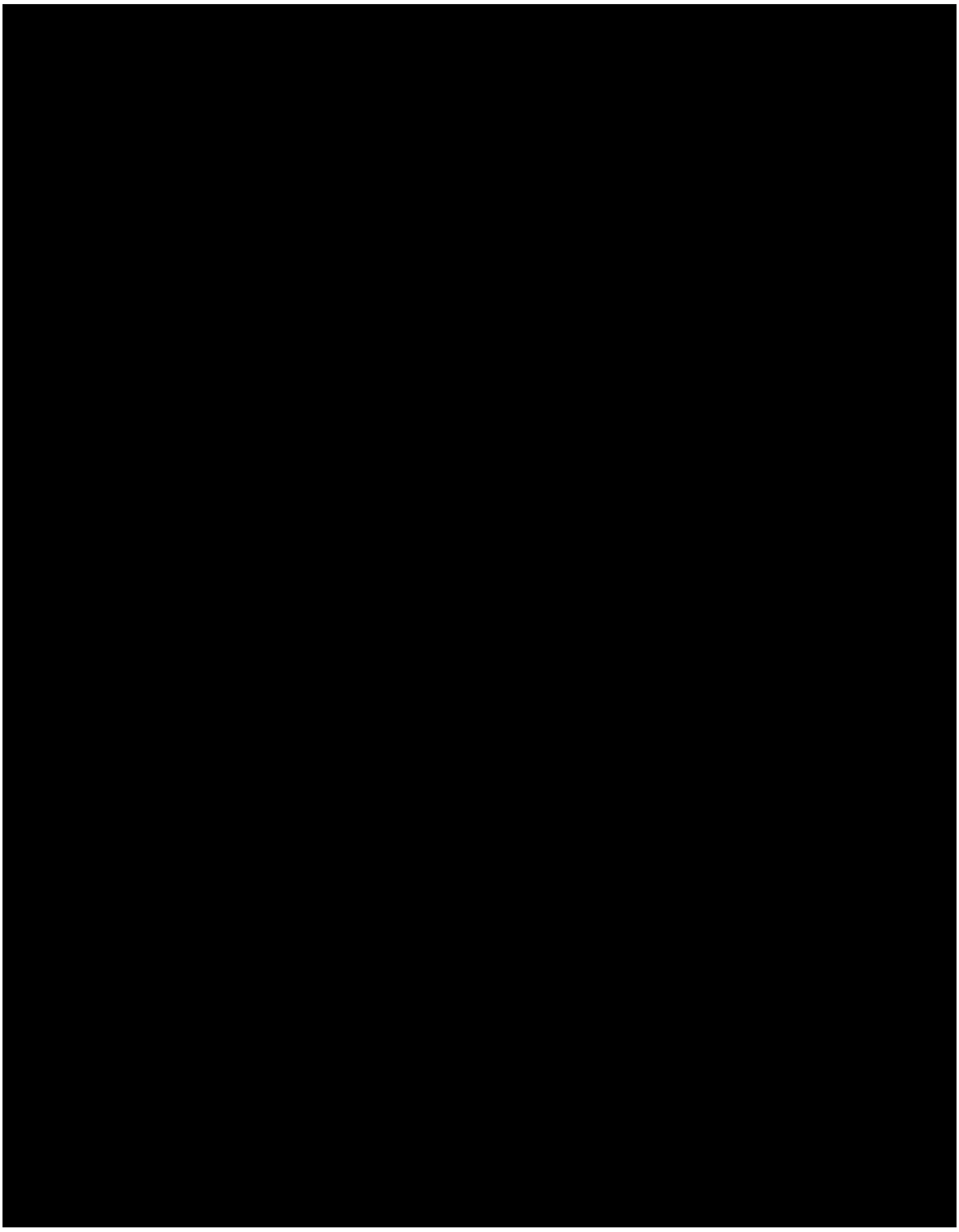
HURRICANE SPEED

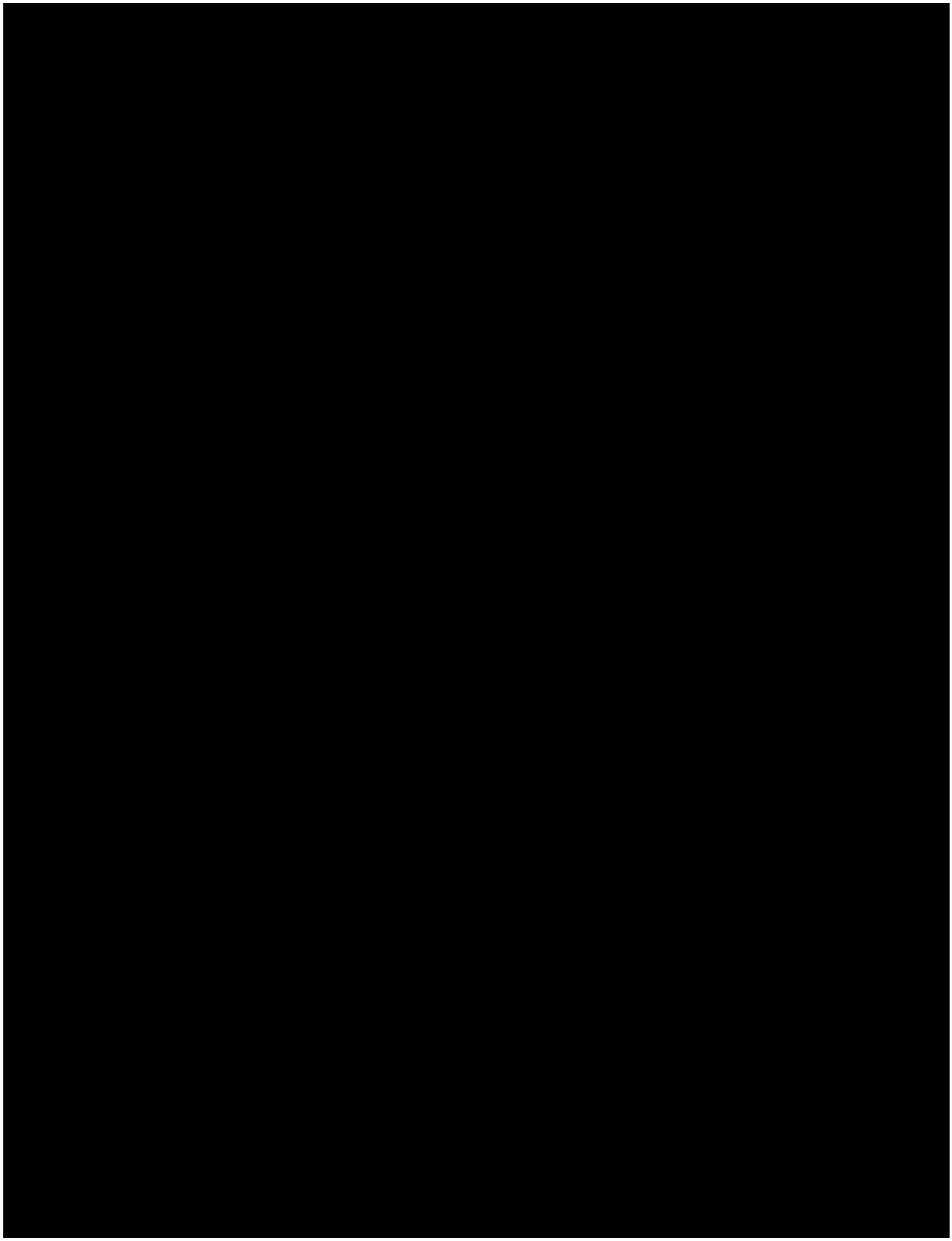
Distances from points near the STEC system to landmarks at the eastern extreme of the Gulf of Mexico are as follows:

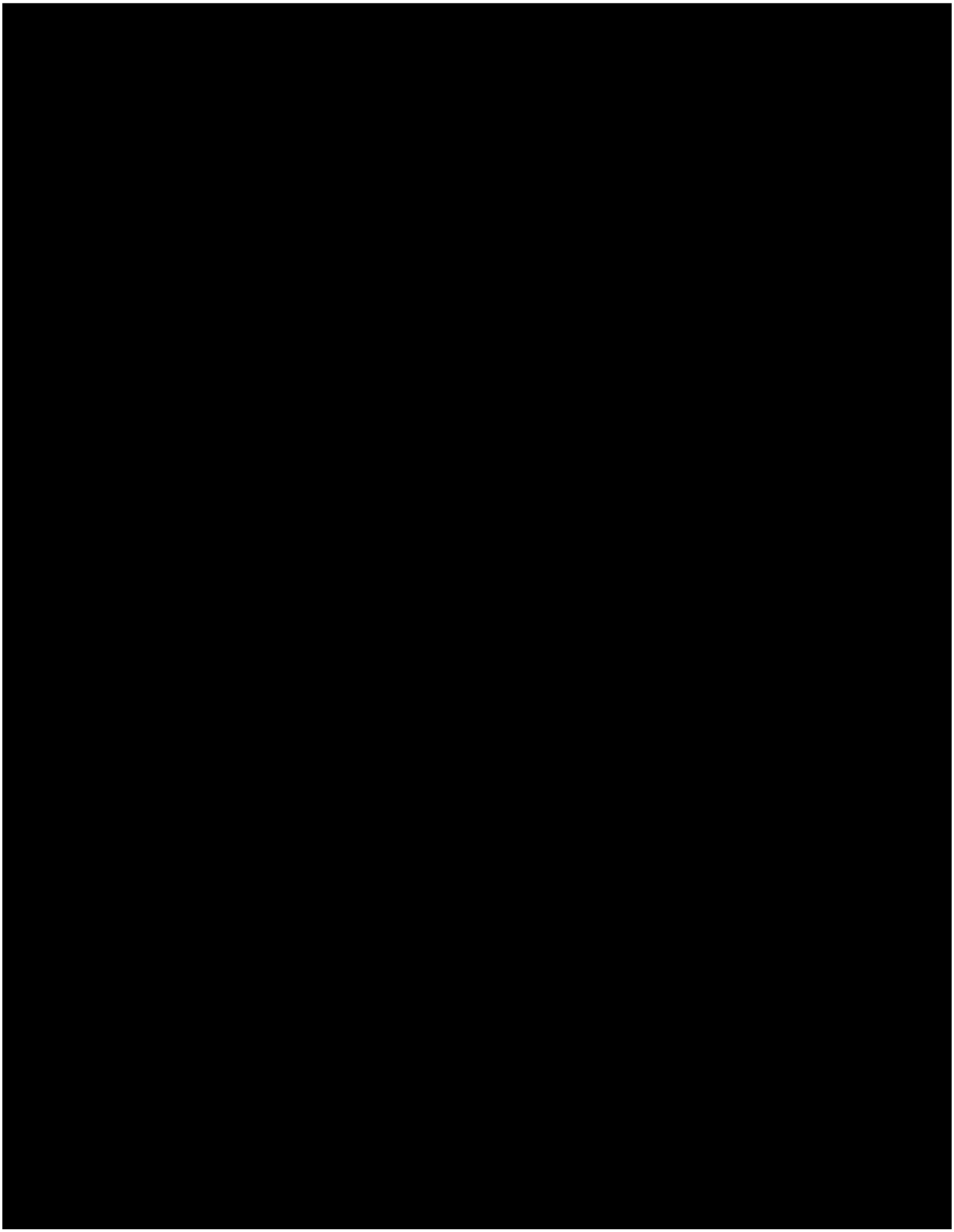
	Port Isabel	Port O'Connor
Cancun (tip of Yucatan)	740 miles	790 miles
Havana	950 miles	950 miles
Key West	970 miles	950 miles
Vera Cruz (Bay of Campeche)	475 miles	640 miles

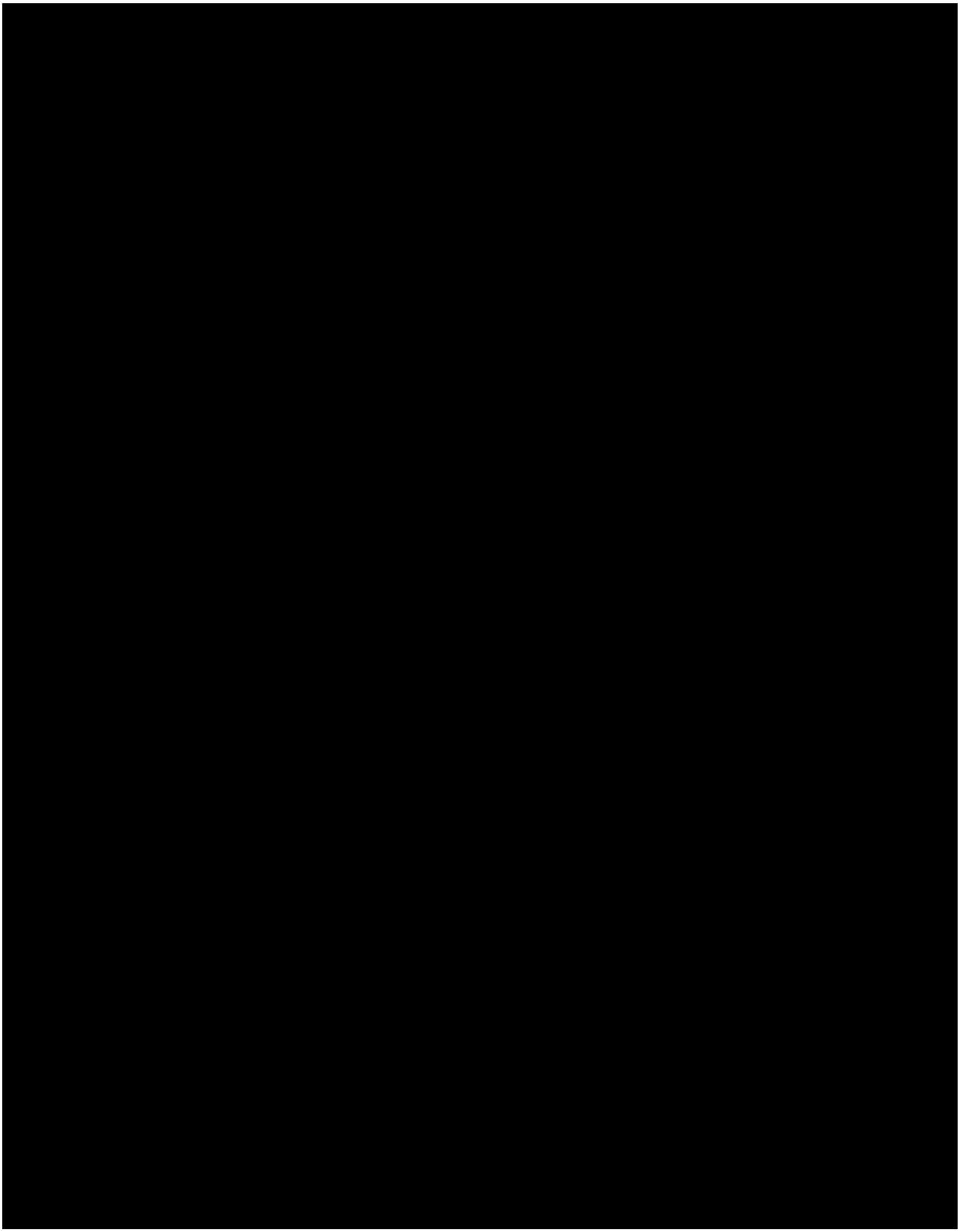
The relative ground speeds of storms average between 5 and 15 miles per hour (MPH) as they move through the Gulf. Frequently, storm centers surge to higher ground speeds as energies are dissipated over land. Contrarily, Hurricane Allen averaged nearly 20 MPH. The disparity in how fast storms approach is the reason that early detection and tracking are essential to being prepared.

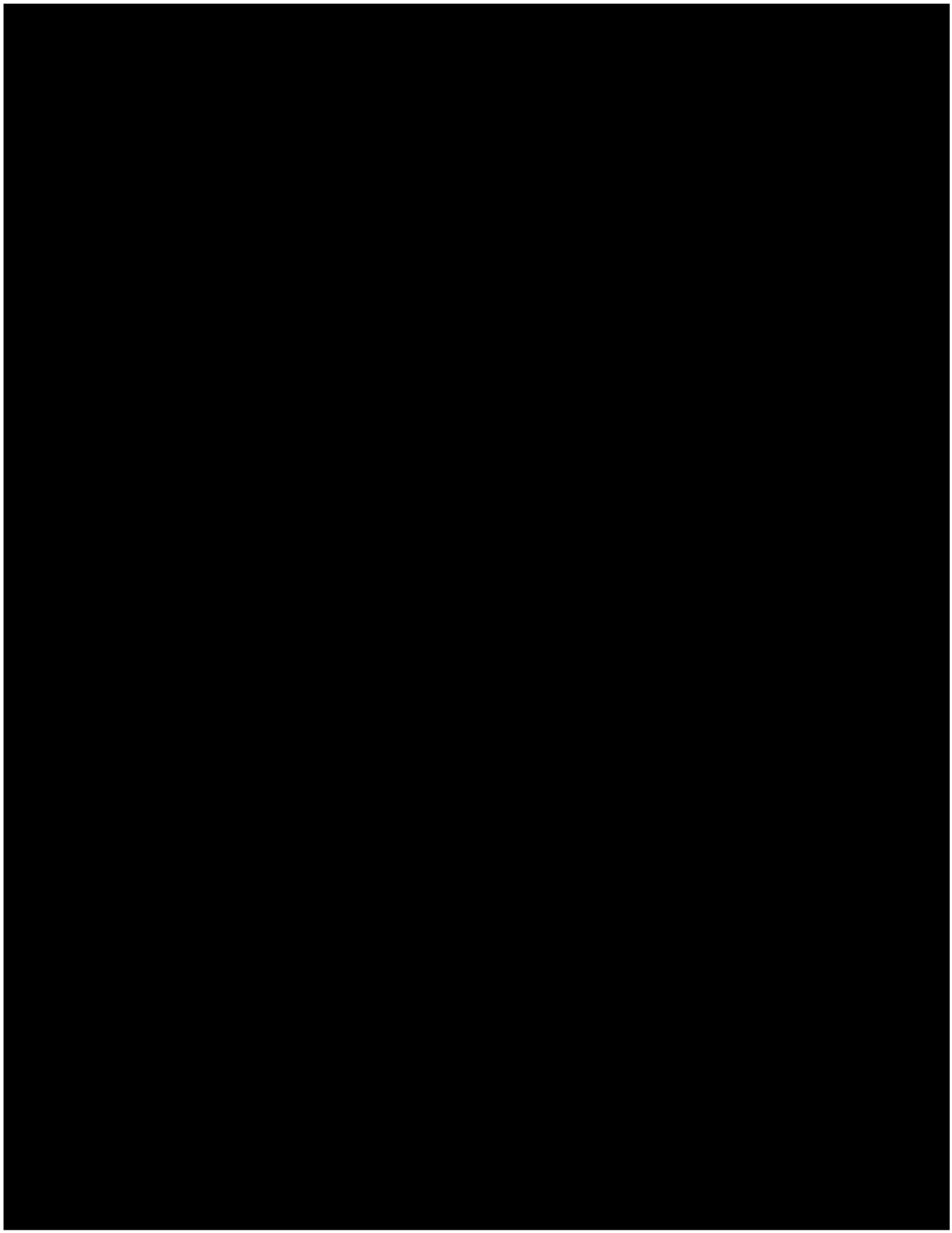


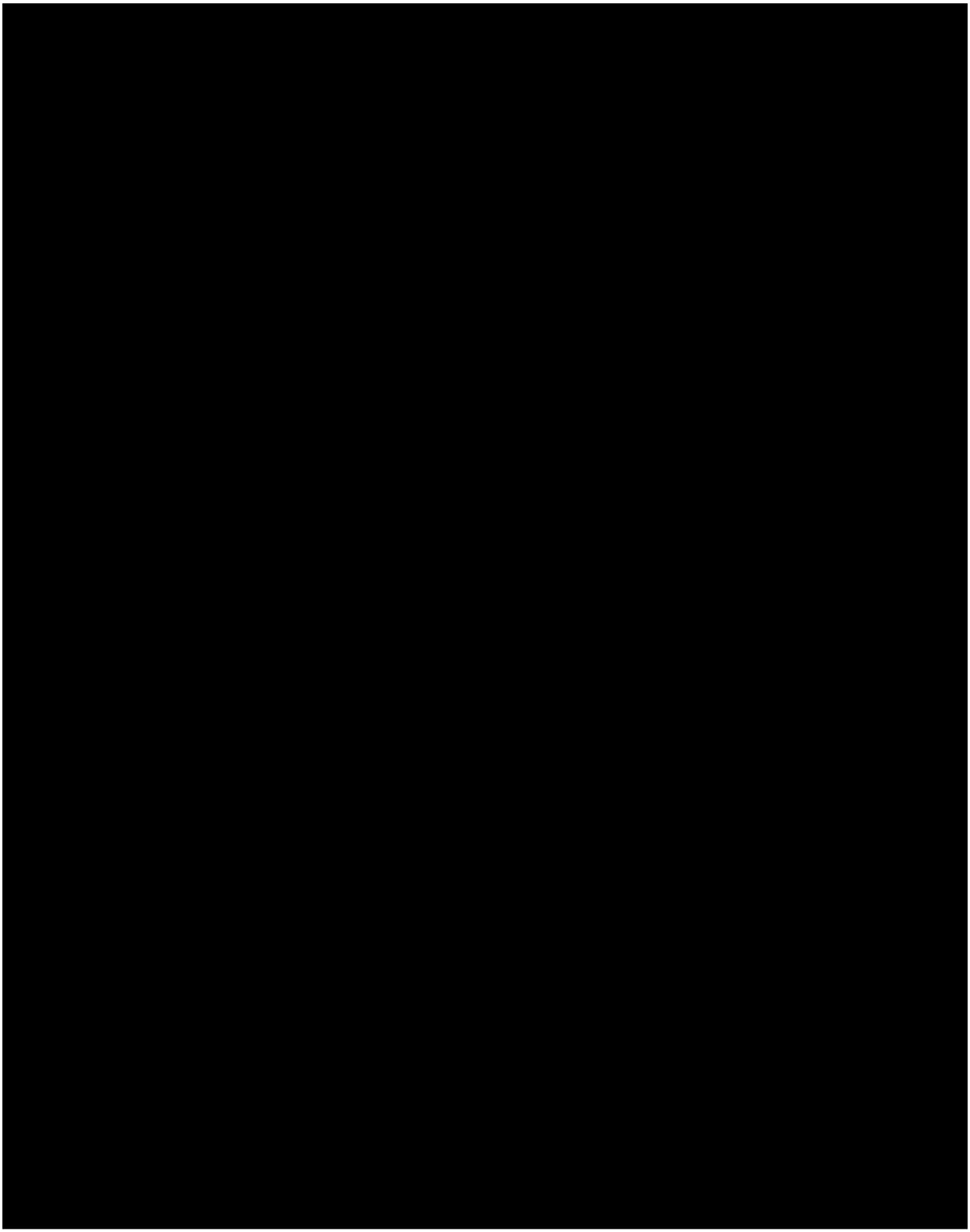


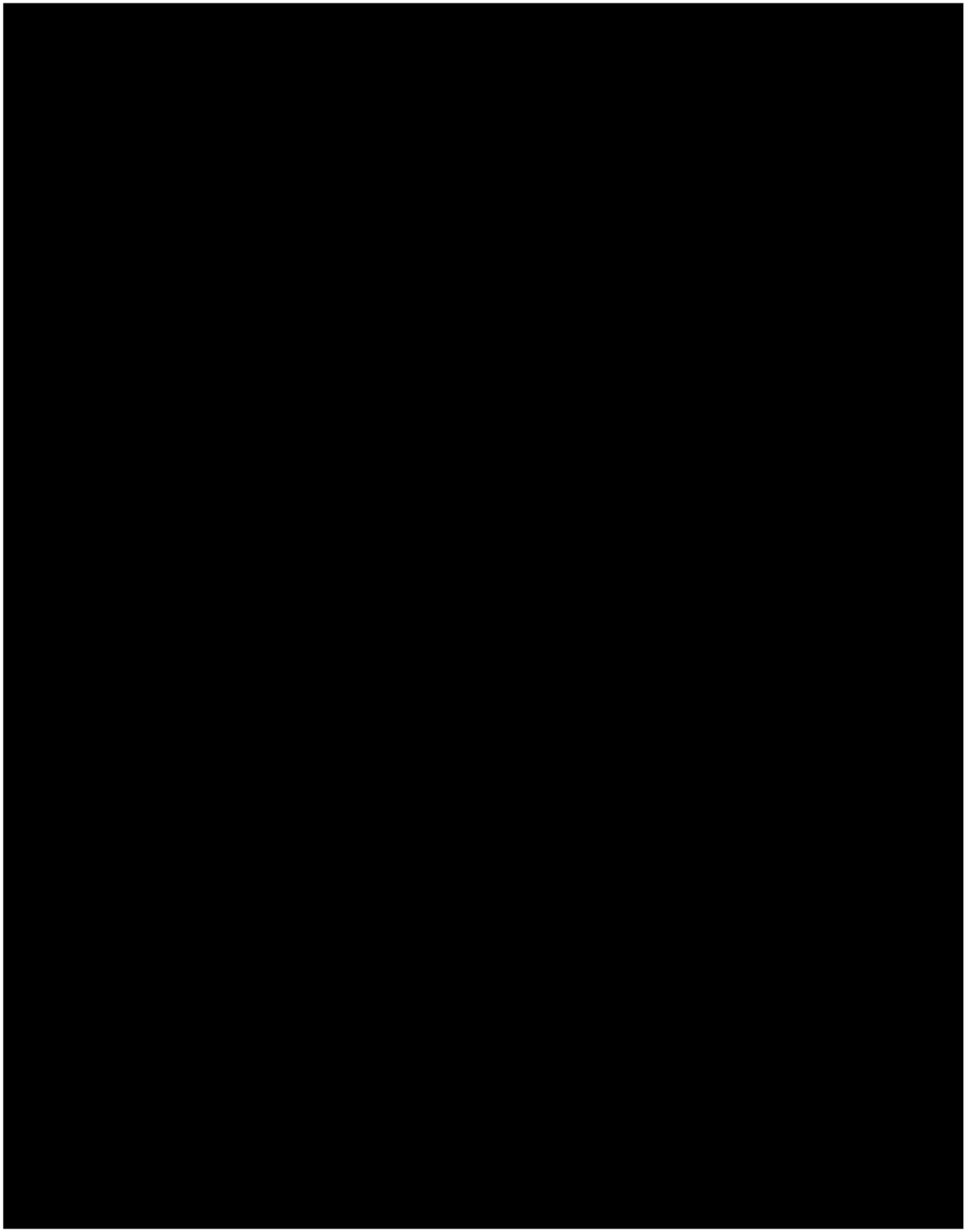


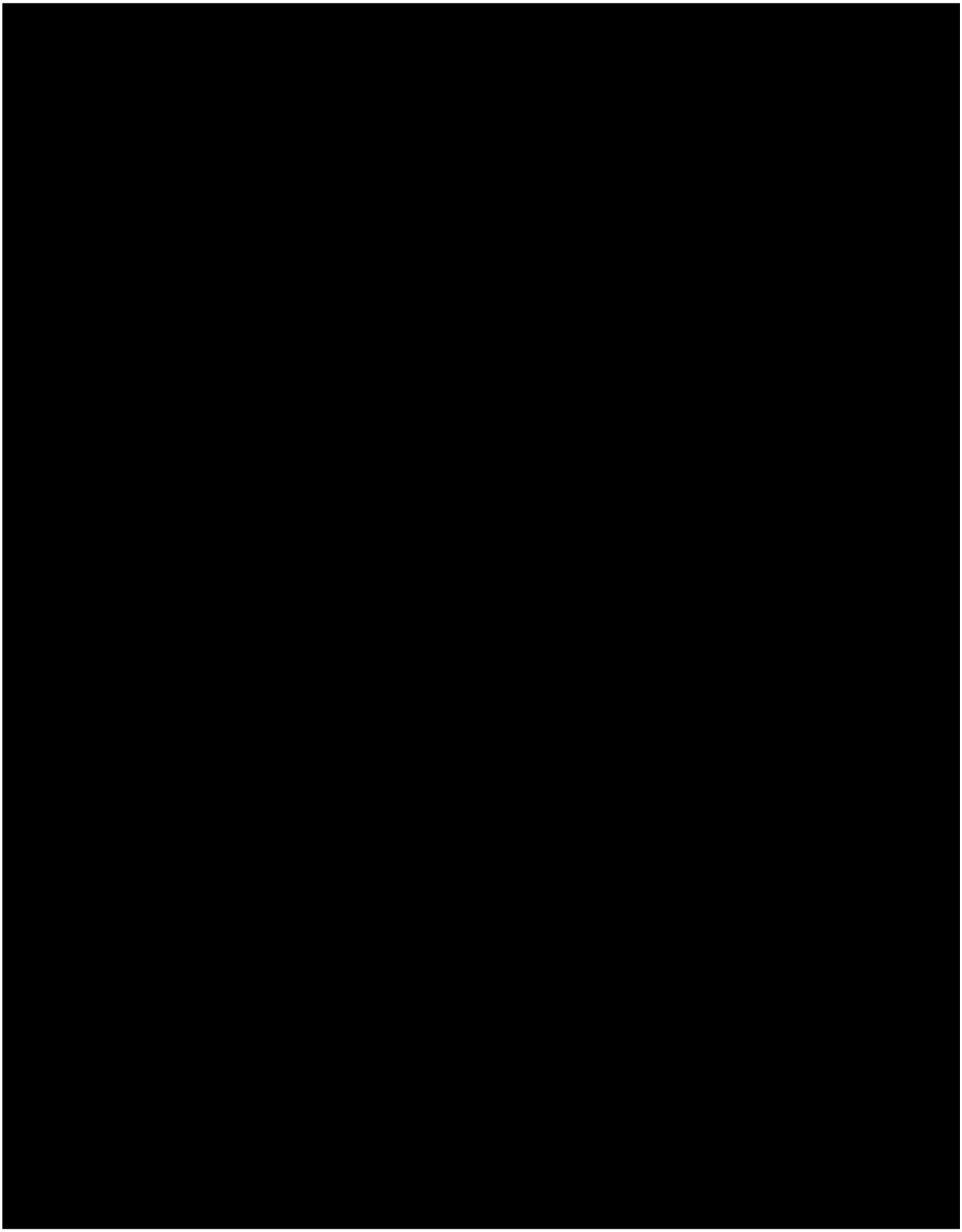


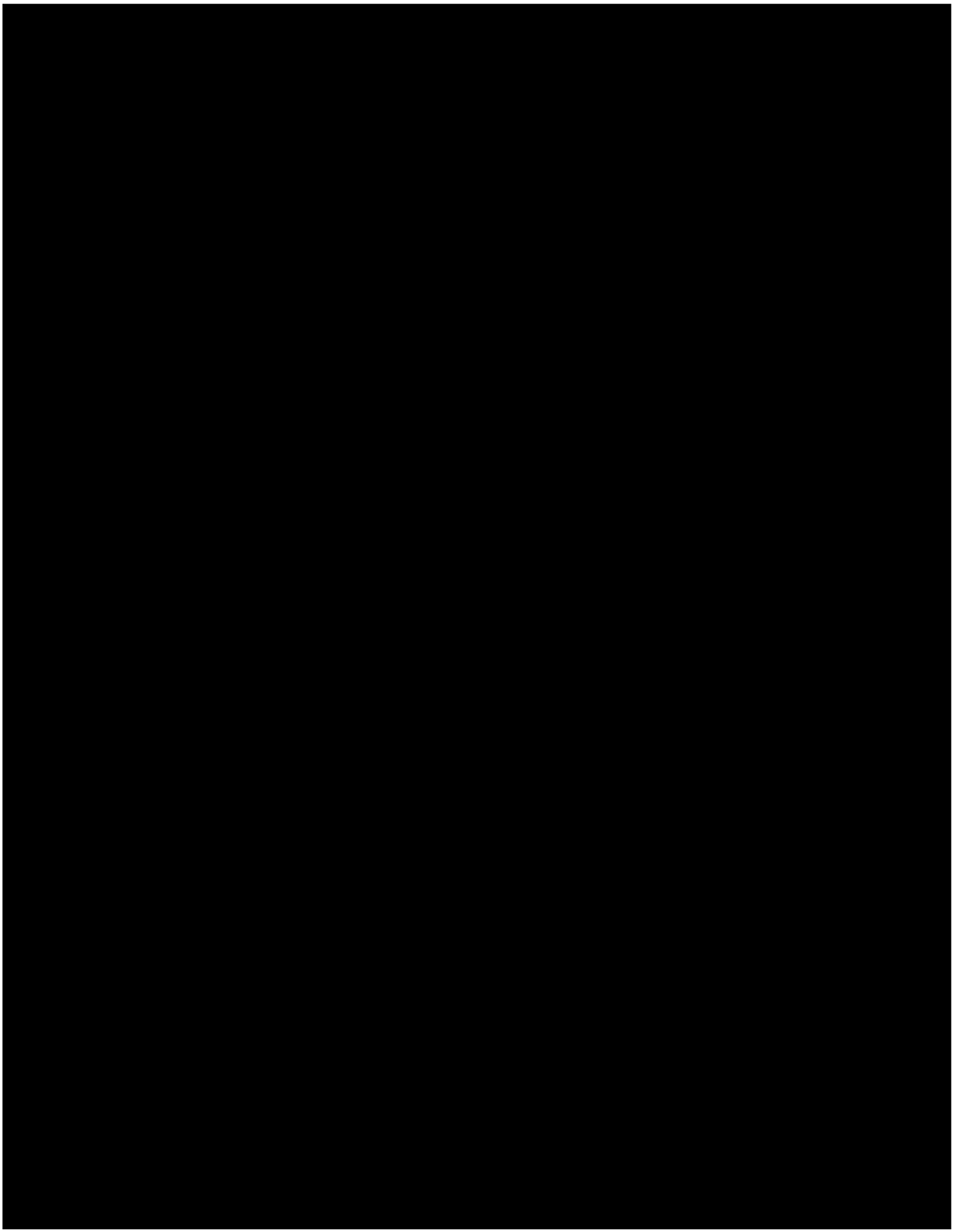


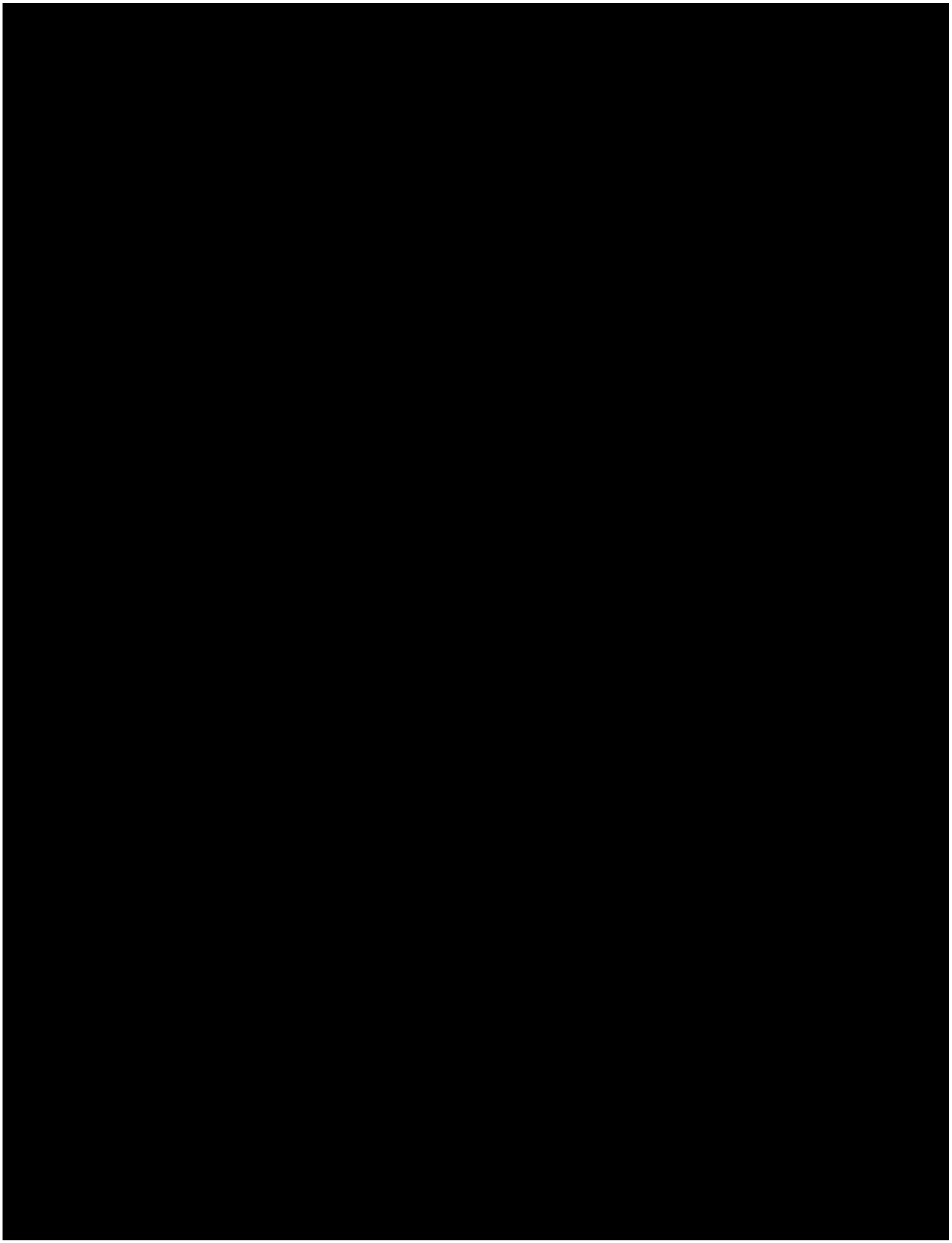


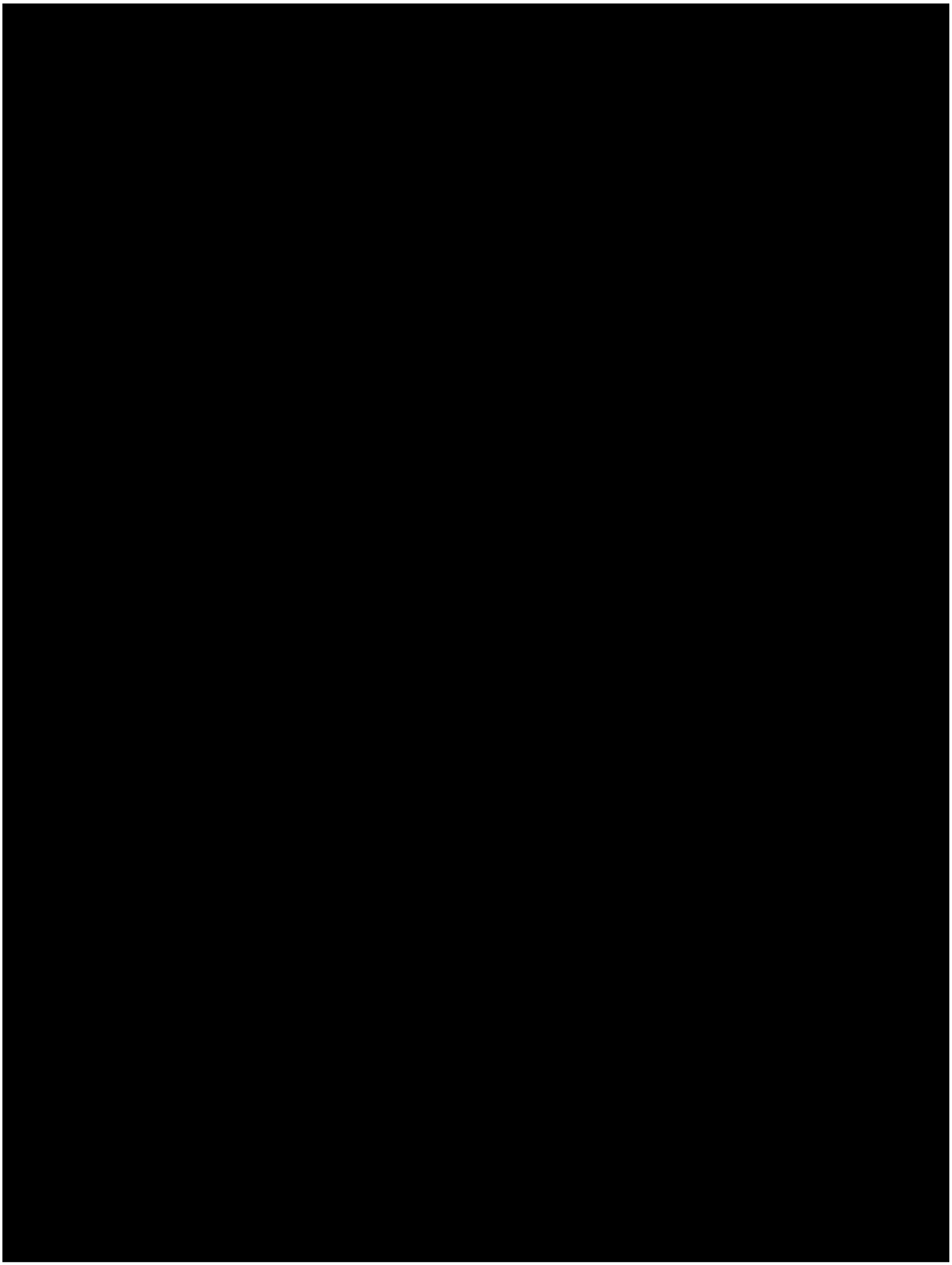


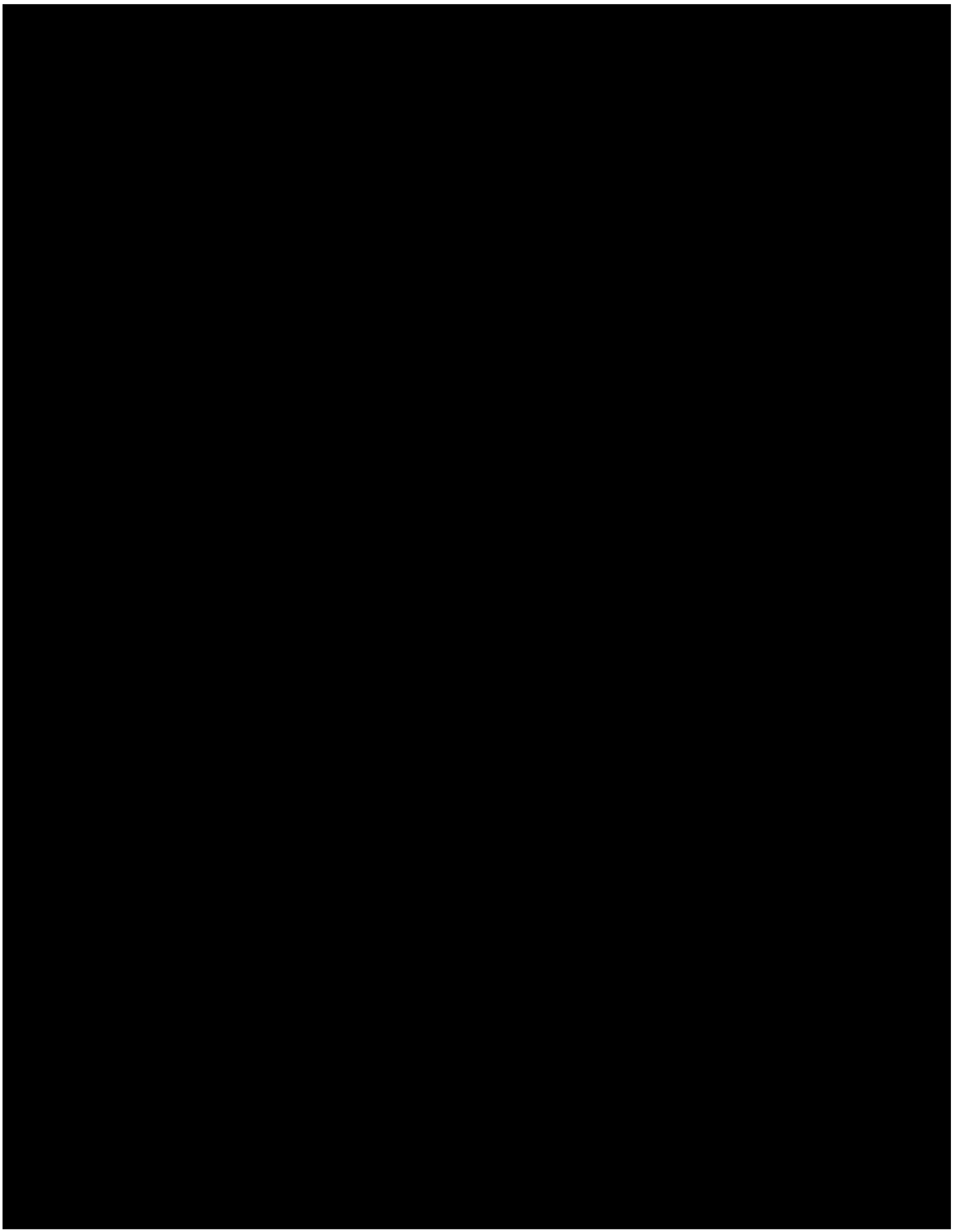


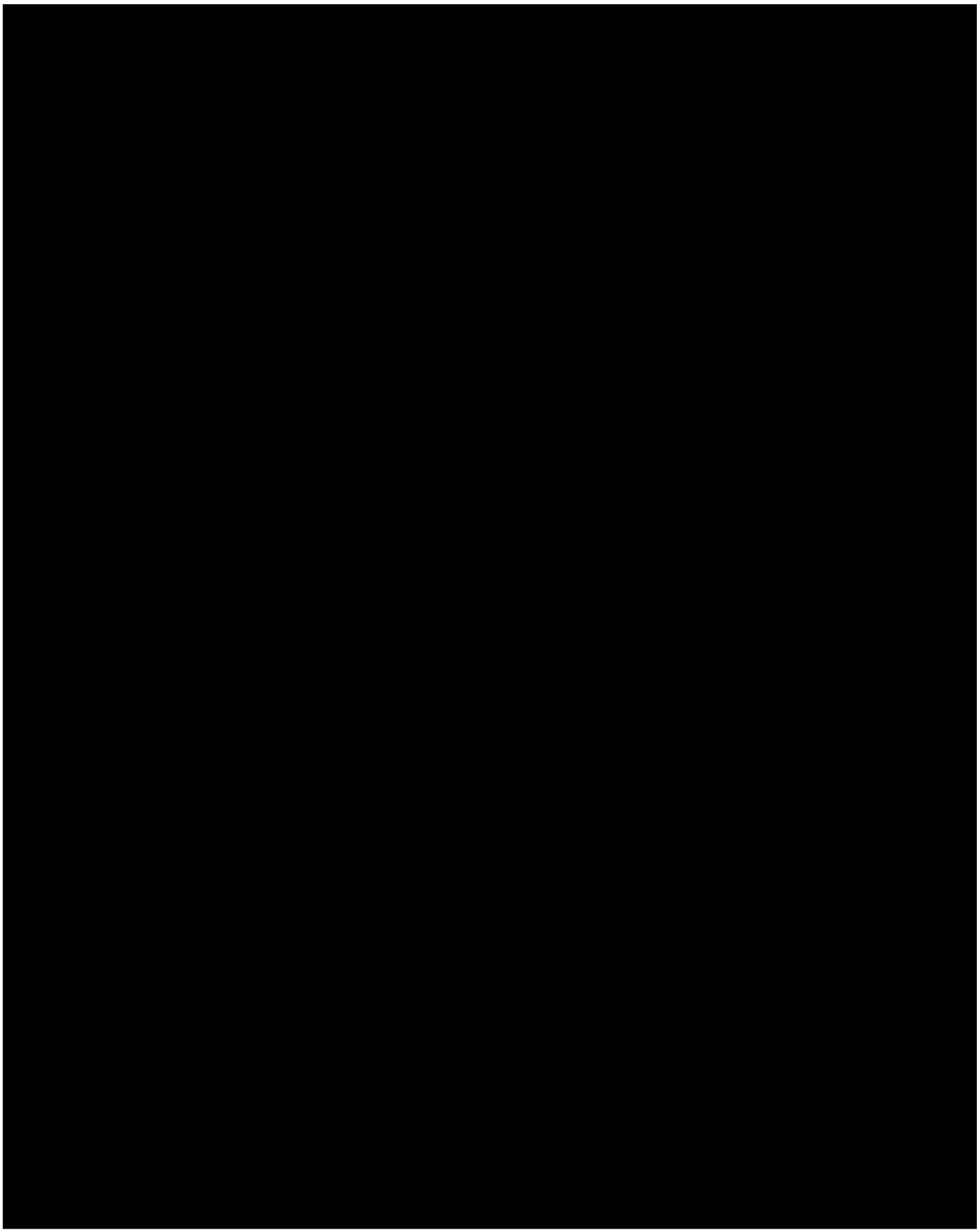


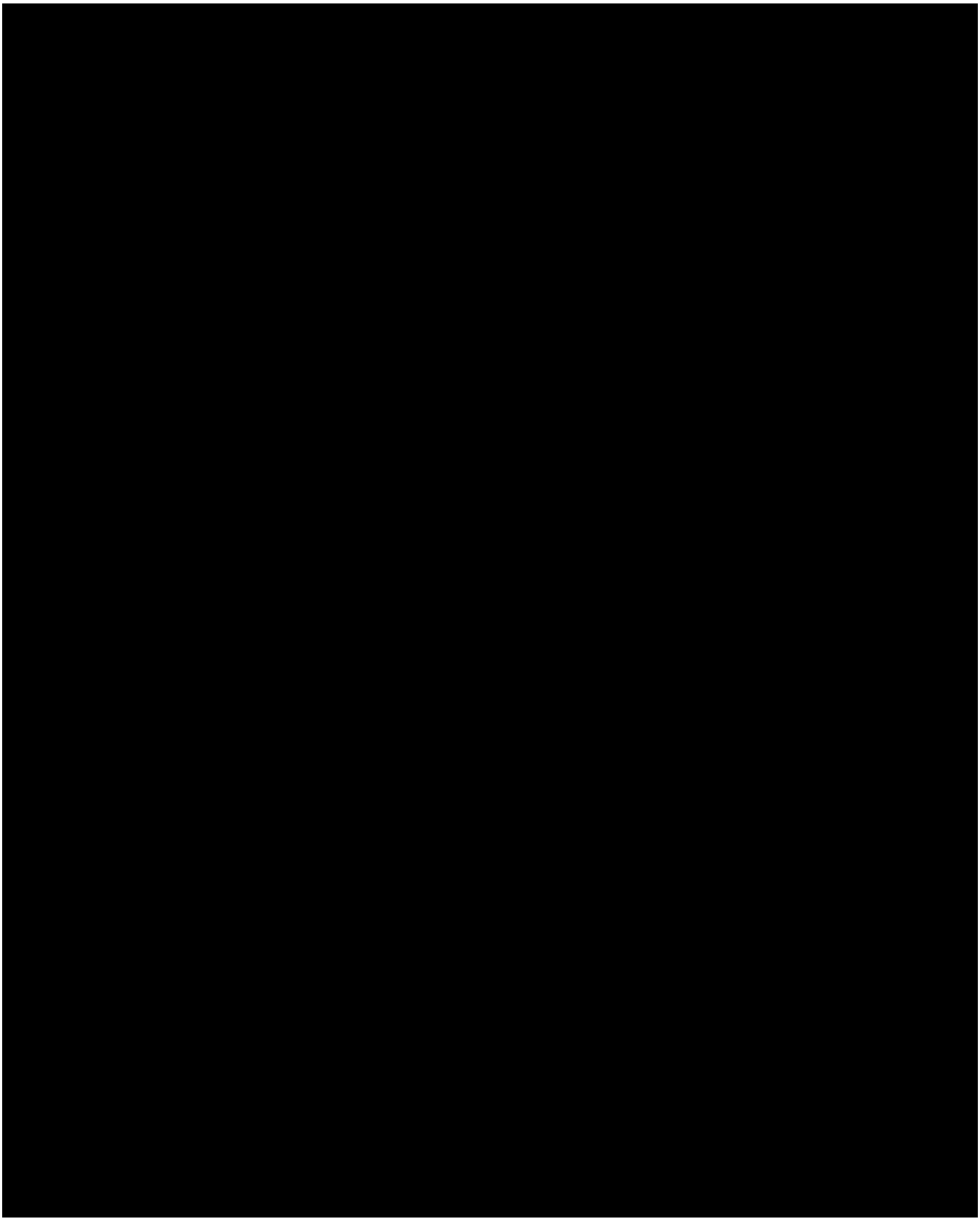


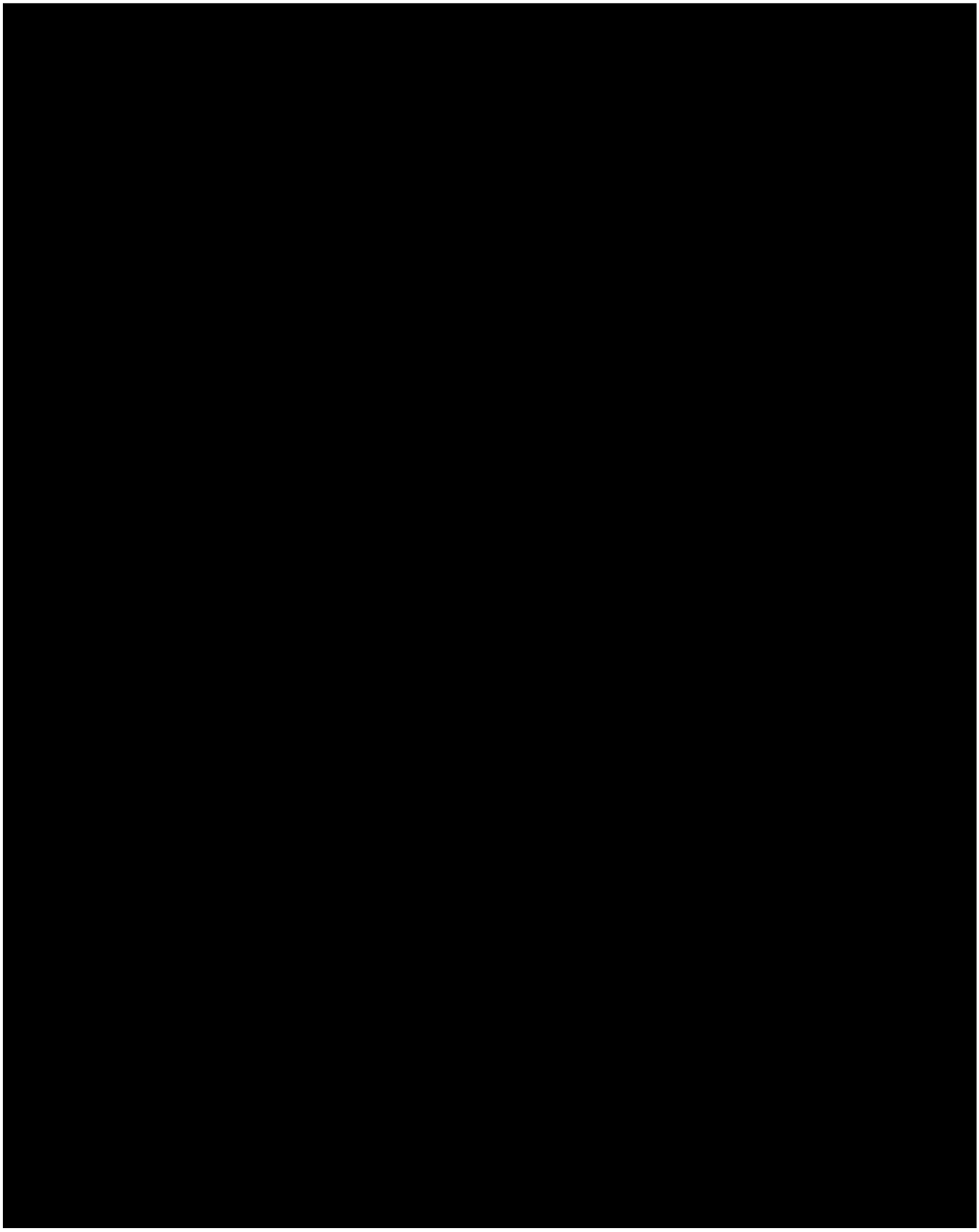


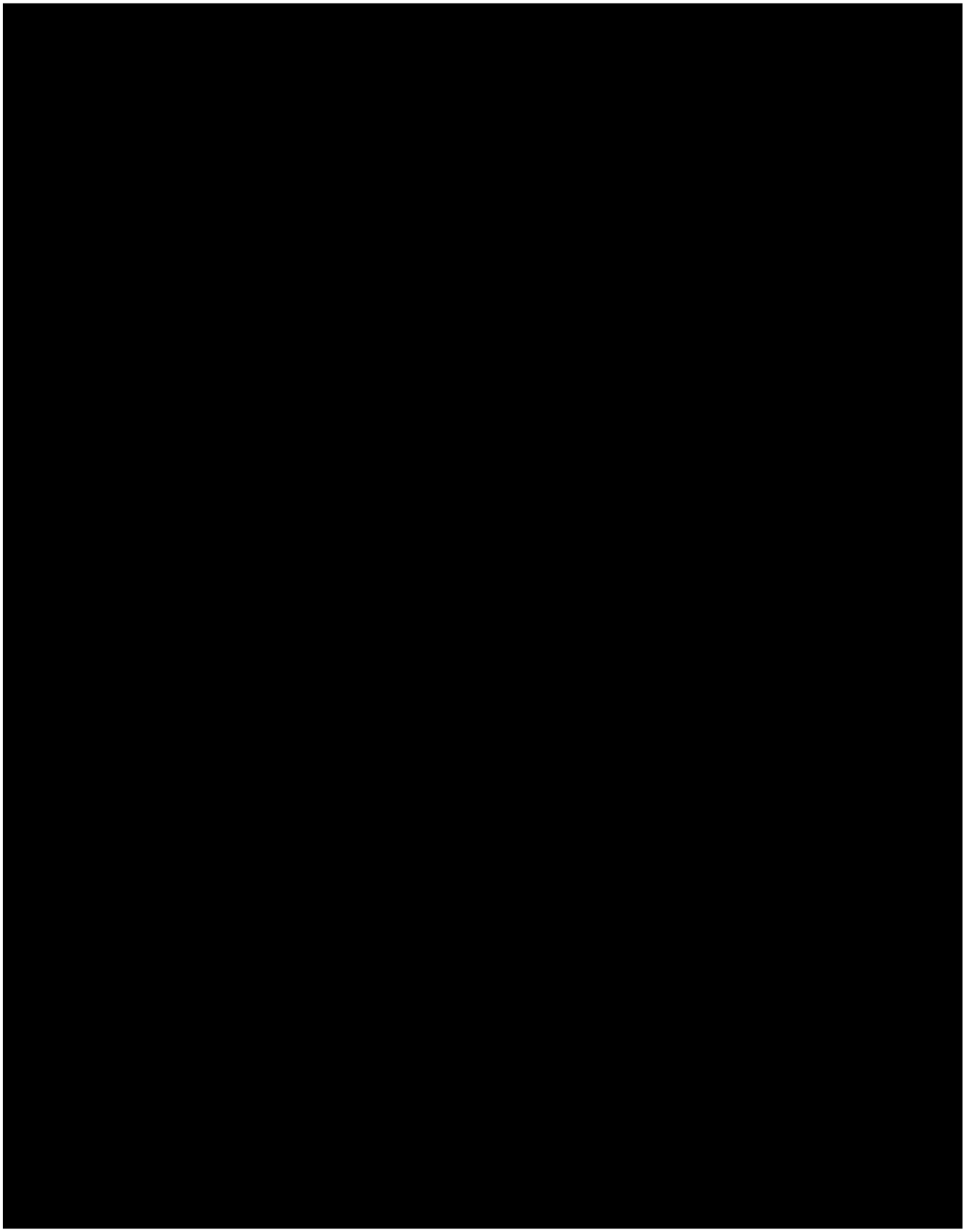












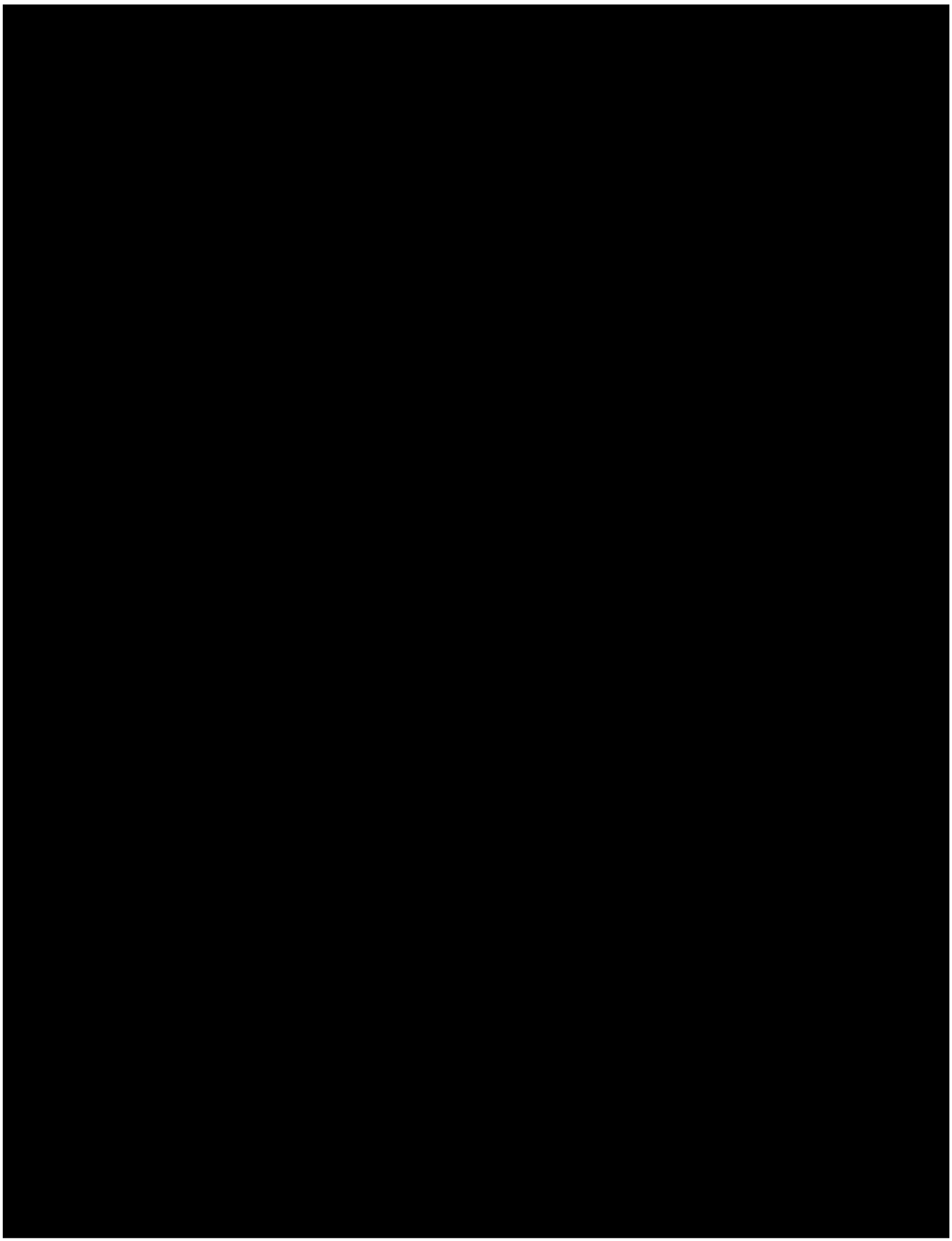
STEC Safety is our way of life	**Emergency Operations Plan** **Cyber Security**	
Compliance Directive:	**Entity Name:** South Texas Electric Cooperative, Inc. & South Texas Solar Power, LLC	
Approved by:	**Current Version:** 0	**Current Version Date:** 04/15/2022

1. Application

South Texas Electric Cooperative, Inc. (STEC) directs efforts to mitigate the risk of cyber security incidents to the reliable operation of the bulk electric system (BES). STEC's system includes high impact and medium impact facilities as defined by NERC standards. This Cyber Security Incident Responses Plan was developed in accordance with the impact classifications and apply to all generation, transmission, control centers and support facilities. It is applicable to STEC and South Texas Solar Power, LLC (STSP).

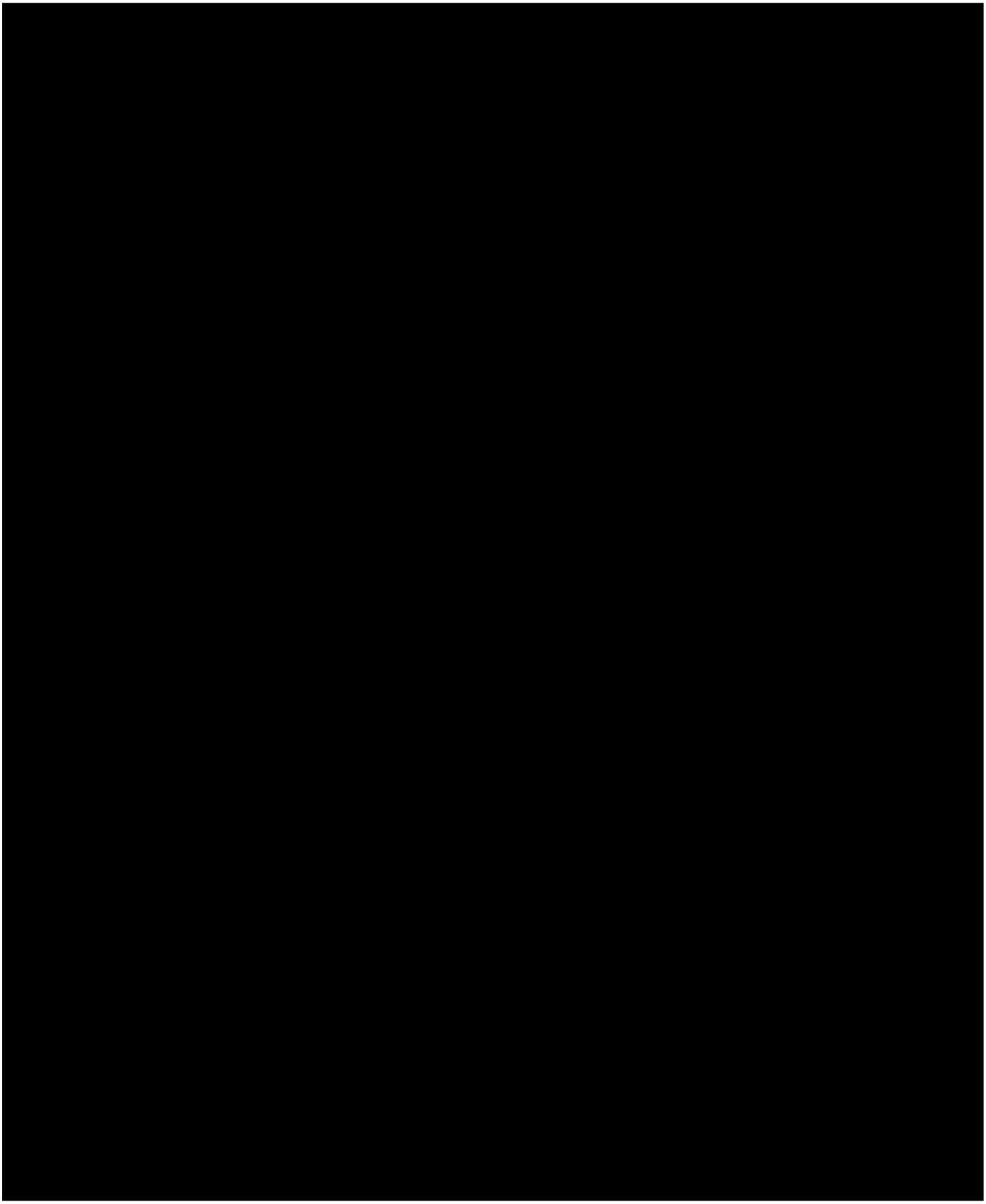
Generally, cyber security incidents are prevented by systems that implement controls to prevent or detect malicious access or are avoided by system design. Most employees that do not have communications-related or information technology jobs are never aware of cyber security attacks. This Cyber Security Incident Response Plan focuses on the responsibilities of personnel that are not normally assigned cyber security functions and the actions proscribed when a cyber-attack is suspected to be the source of unusual operations or incidents.

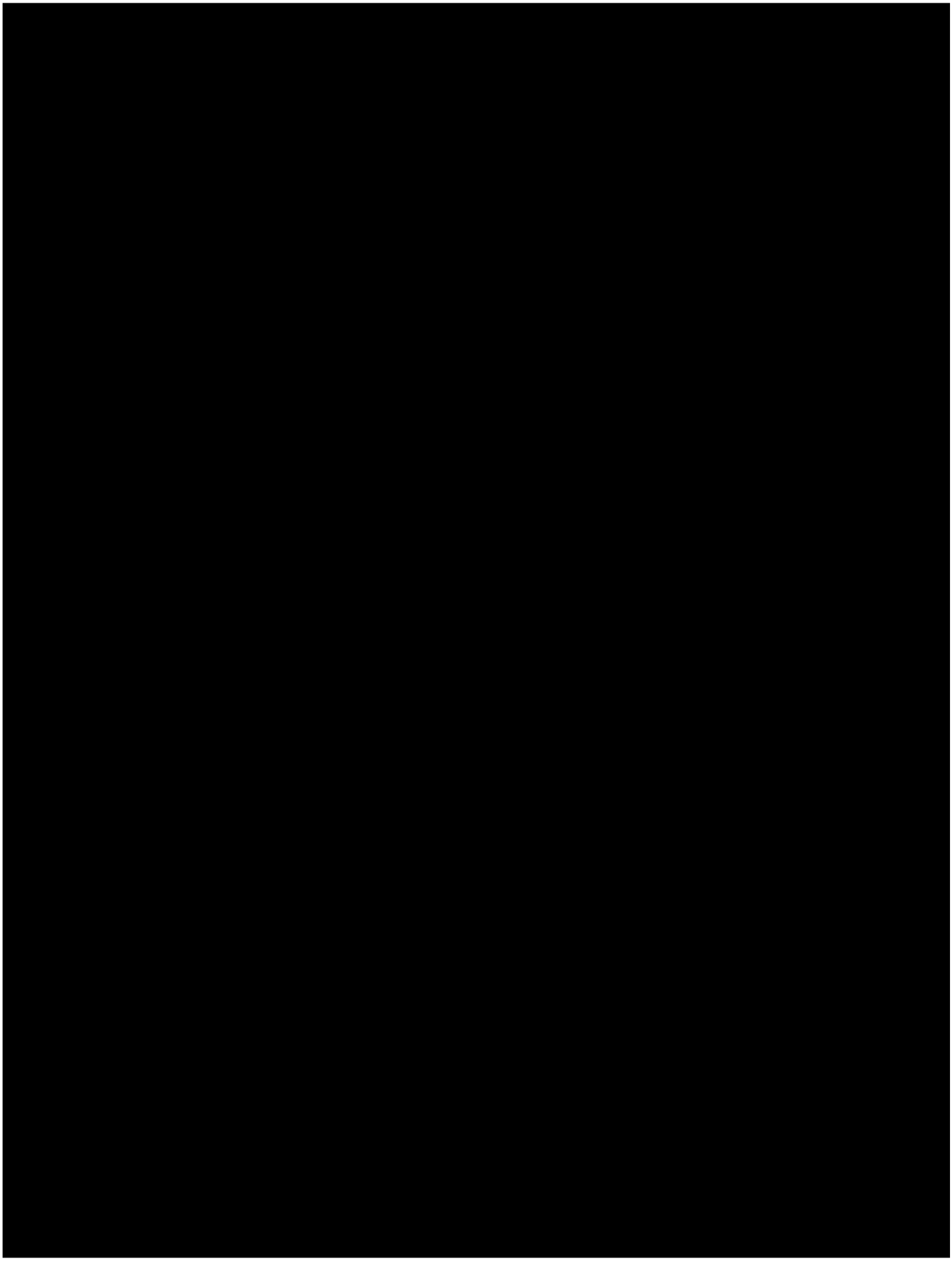
[redacted]

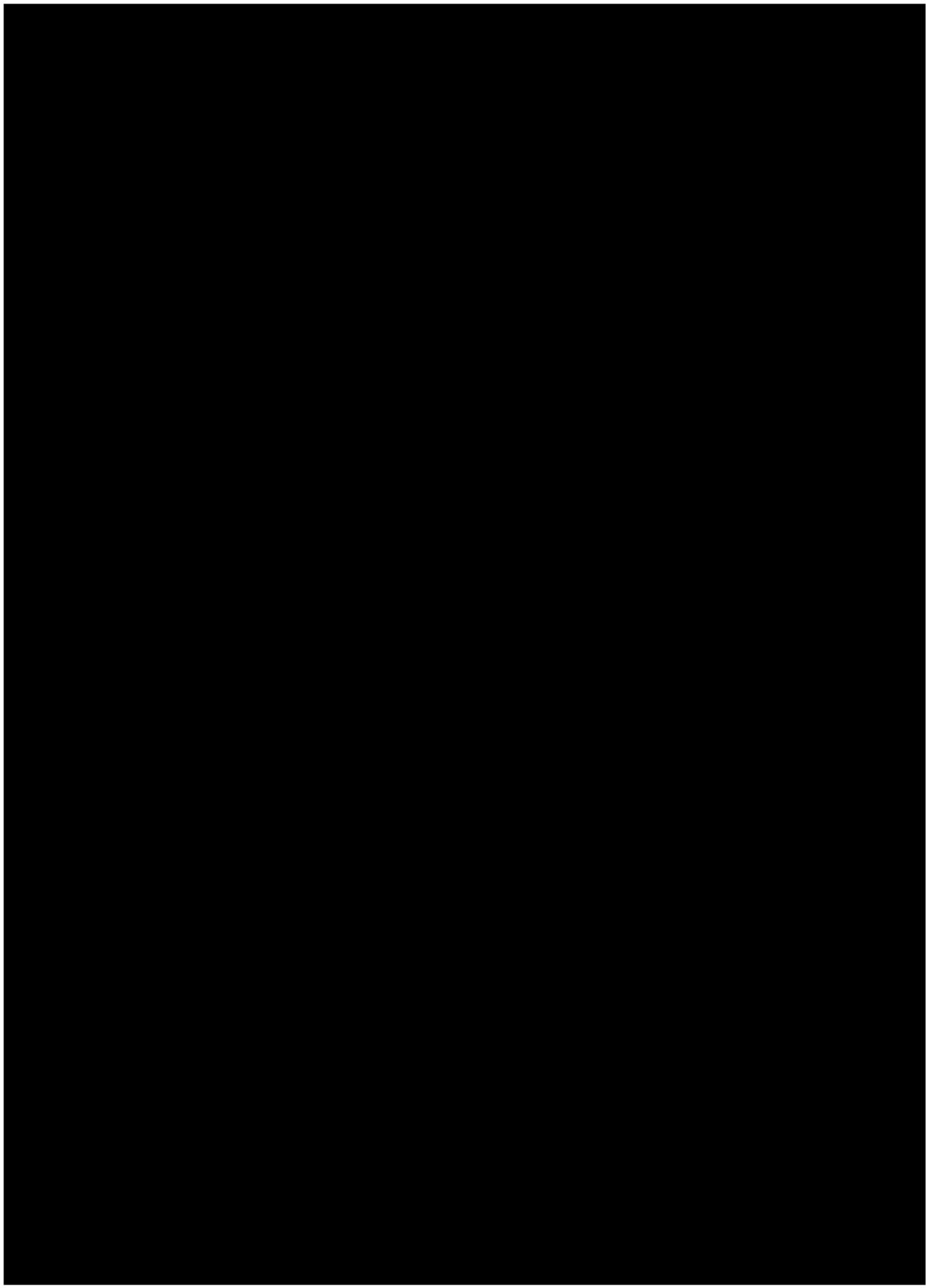


STEC Safety is our way of life	**Emergency Operations Plans** **Physical Security Incident Plan**	
	Entity Name: South Texas Electric Cooperative, Inc. and South Texas Solar Power, LLC	
Approved by:	**Current Version:** 0	**Current Version Date:** 04/15/2022

[redacted]







1. PURPOSE / SCOPE

The purpose of this procedure is to prepare and protect the STEC Pearsall Power Plant and the South Texas Solar Power (STSP) solar arrays on the Pearsall Power Plant property for the events of extreme ambient temperature, severe weather, or high winds to ensure the safe and reliable operation of the facility. Section 6.6 describes the procedures and actions taken by STEC personnel immediately prior to and during a hot weather emergency event,

2. DEFINITIONS

2.1. High Ambient Temperatures – Ambient temperatures greater than or equal to 100°F.