

July 26, 2025

**Via Electronic Filing**

Rosemary Chiavetta,  
Secretary Pennsylvania Public Utility Commission  
400 North Street, Keystone Building  
Harrisburg, PA 17120

Re: Initial Electric Broker/Marketer Application:  
Patel Energy LLC

Dear Secretary Chiavetta:

Enclosed electronic filing please find the public version of the Application of Patel Energy for an Electric Broker/Marketer License. In addition, the \$350 fee for payment of the application filing was remitted at the time of e-Filing. A copy of the public version is also served as noted in the attached Certificate of Service.

If you need anything further, please let me know. Thank you for your attention to this matter.

Respectfully,  
Manishkumar C Patel  
Patel Energy LLC  
221 Mill Race Drive  
Easton, PA 18045  
Phone: (610) 360-2929  
Email: [patelenergyllc@gmail.com](mailto:patelenergyllc@gmail.com)

## BEFORE THE PENNSYLVANIA PUBLIC UTILITY COMMISSION

Application of **PATEL ENERGY LLC**, d/b/a \_\_\_\_\_, for approval to offer, render, furnish, or supply electricity or electric generation services as a(n) [as specified in item #4b below] to the public in the Commonwealth of Pennsylvania (Pennsylvania).

To the Pennsylvania Public Utility Commission:

### 1. IDENTIFICATION AND CONTACT INFORMATION

- a. **IDENTITY OF THE APPLICANT:** Provide name (including any fictitious name or d/b/a), primary address, web address, and telephone number of Applicant:

**PATEL ENERGY LLC  
221 MILL RACE DRIVE  
EASTON, PA 18045  
PHONE NO: 610-360-2929**

**Note: We will design webpage once our application gets approved.**

- b. **PENNSYLVANIA ADDRESS / REGISTERED AGENT:** If the Applicant maintains a primary address outside of Pennsylvania, provide the name, address, telephone number, and fax number of the Applicant's secondary office within Pennsylvania. If the Applicant does not maintain a physical location within Pennsylvania, provide the name, address, telephone number, and fax number of the Applicant's Registered Agent within Pennsylvania.

**N/A**

- c. **REGULATORY CONTACT:** Provide the name, title, address, telephone number, fax number, and e-mail address of the person to whom questions about this Application and future inquiries should be addressed.

**NOTE:** To ensure timely receipt of regulatory information, a contact employed directly by the Applicant, and not a consultant, is preferred.

**MANISHKUMAR C PATEL  
PATEL ENERGY LLC  
221 MILL RACE DRIVE, EASTON, PA 18045  
PHONE: 610-360-2929  
EMAIL: PATELENERGYLLC@GMAIL.COM**

- d. **ATTORNEY:** Provide the name, address, telephone number, fax number, and e-mail address of the Applicant's attorney. If the Applicant is not using an attorney, explicitly state so.

**N/A - An attorney was not used to prepare this application**

- e. **CONTACTS FOR CONSUMER SERVICE AND COMPLAINTS: (Required of ALL Applicants)** Provide the name, title, address, telephone number, FAX number, and e-mail **OF THE PERSON AND AN ALTERNATE PERSON (2 REQUIRED)** responsible for addressing customer complaints. These persons will ordinarily be the initial point(s) of contact for resolving complaints filed with the Applicant, the Electric Distribution Company, the Pennsylvania Public Utility Commission, or other agencies. The main contact's information will be listed on the Commission website list of licensed EGSs.

**MANISHKUMAR C PATEL  
PRESIDENT, PATEL ENERGY LLC  
221 MILL RACE DRIVE, EASTON, PA 18045  
PHONE: 610-360-2929  
EMAIL: PATELENERGYLLC@GMAIL.COM**

**VISHAL J PATEL  
VICE PRESIDENT, PATEL ENERGY LLC  
221 MILL RACE DRIVE, EASTON, PA 18045  
PHONE: 570-350-9934  
EMAIL: PATELENERGYLLC@GMAIL.COM**

## 2. BUSINESS ENTITY FILINGS AND REGISTRATION

a. **FICTITIOUS NAME:** *(Select appropriate statement and provide supporting documentation as listed.)*

The Applicant will be using a fictitious name or doing business as (“d/b/a”)

Provide a copy of the Applicant’s filing with Pennsylvania’s Department of State pursuant to 54 Pa.C.S. § 311, Form DSCB: 54-311.

**or**

The Applicant will not be using a fictitious name.

b. **BUSINESS ENTITY AND DEPARTMENT OF STATE FILINGS:**

*(Select appropriate statement and provide supporting documentation. As well, understand that Domestic means being formed within Pennsylvania and foreign means being formed outside Pennsylvania.)*

The Applicant is a sole proprietor.

- If the Applicant is located outside the Commonwealth, provide proof of compliance with 15 Pa.C.S. § 412 relating to Department of State filing requirements.

**or**

The Applicant is a:

- domestic general partnership (\*)
- domestic limited partnership (15 Pa.C.S. § 8621)
- foreign general or limited partnership (15 Pa.C.S. §§ 411 and 412)
- domestic limited liability partnership (15 Pa.C.S. §§ 8201 and 8221)
- foreign limited liability general partnership (15 Pa.C.S. §§ 411 and 412)
- foreign limited liability limited partnership (15 Pa.C.S. §§ 411 and 412)

- Provide proof of compliance with appropriate Department of State filing requirements as indicated above.
- Give name, d/b/a, and address of partners. If any partner is not an individual, identify the business nature of the partner entity and identify its partners or officers.
- Provide the state in which the business is organized/formed and provide a copy of the Applicant’s charter documentation.
- \* If a corporate partner in the Applicant’s domestic partnership is not domiciled in Pennsylvania, attach a copy of the Applicant’s Department of State filing pursuant to 15 Pa.C.S. §§ 411 and 412.

**or**

The Applicant is a:

- domestic corporation (15 Pa.C.S. § 1308)
- foreign corporation (15 Pa.C.S. §§ 411 and 412)
- domestic limited liability company (15 Pa.C.S. § 8821)
- foreign limited liability company (15 Pa.C.S. §§ 411 and 412)
- Other (Describe):

- Provide proof of compliance with appropriate Department of State filing requirements as indicated above. **Approved state entity filing, and good standing document included with application.**
- Provide the state in which the business is incorporated/organized/formed and provide a copy of the Applicant's charter documentation. **Patel Energy LLC was formed in Pennsylvania. Attached is a copy of our charter documentation.**
- Give name and address of officers.

**PATEL, MANISHKUMAR C, PRESIDENT  
PATEL, VISHAL J - VICE PRESIDENT  
PATEL, PRIYNAKA R - MANAGER  
PATEL, SANGITABEN, MANAGER**

**ALL LOCATED AT:  
  
221 MILL RACE DRIVE,  
ESATON, PA 18045**

### **3. AFFILIATES AND PREDECESSORS**

*(both in state and out of state)*

- a. AFFILIATES:** Give name and address of any affiliates currently doing business and state whether the affiliates are jurisdictional public utilities. If the Applicant does not have any affiliates doing business, explicitly state so. Also, state whether the applicant has any affiliates that are currently applying to do business in Pennsylvania.

**Applicant does not have any affiliates doing business.**

- b. PREDECESSORS:** Identify any predecessors of the Applicant and provide the names under which the Applicant has operated, including address, web address, and telephone number, if applicable. If the Applicant does not have any predecessors that have done business, explicitly state so.

**Not Applicable**

- c. RELATED DOCKET NUMBERS:** Provide the Docket Numbers for any previous Pennsylvania PUC licenses for the Applicant, all affiliates, and any predecessors. If the Applicant does not have any related Docket Numbers, explicitly state so.

**Applicant does not have any related Docket Number.**

## 4. OPERATIONS

a. **APPLICANT'S PRESENT OPERATIONS:** *(select and complete the appropriate statement)*

Definitions

- Supplier – an entity that sells electricity to end-use customers utilizing the jurisdictional transmission and distribution facilities of an EDC.
- Aggregator - an entity that purchases electric energy and takes title to electric energy as an intermediary for sale to retail customers.
- Broker/Marketer - an entity that acts as an intermediary in the sale and purchase of electric energy but does not take title to electric energy.

The Applicant is presently doing business in Pennsylvania as a

- municipal electric corporation
- electric cooperative
- local gas distribution company
- provider of electric generation, transmission or distribution services
- broker/marketer engaged in the business of supplying electricity services
- Other; Identify the nature of service being rendered.

**or**

The Applicant is not presently doing business in Pennsylvania.

b. **APPLICANT'S PROPOSED OPERATIONS:** The Applicant proposes to operate as a *(may check multiple)*:

- Supplier of electricity
- Aggregator engaged in the business of supplying electricity
- Broker/Marketer engaged in the business of supplying electricity services
  - Check here to verify that your organization will not be taking title to the electricity nor will you be making payments for customers.
- Electric Cooperative and supplier of electric power
- Other (Describe):

c. **PROPOSED SERVICES:** Describe in detail the electric services or the electric generation services which the Applicant proposes to offer.

**See Attached PDF at the end of an Application for the details.**

d. **PROPOSED SERVICE AREA:** Check the box of each Electric Distribution Company for which the Applicant proposes to provide service.

- Citizens' Electric
- Duquesne Light
- Met-Ed
- PECO
- Penelec
- Penn Power

- Pike
- PPL
- UGI Utilities
- Wellsboro
- West Penn

Entire Commonwealth of PA

e. **CUSTOMERS:** Applicant proposes to provide services to:

- Residential Customers
- Small Commercial Customers - (25 kW and Under)
- Large Commercial Customers - (Over 25 kW)
- Industrial Customers
- Governmental Customers
- All of above
- Other (Describe):
- Residential and Small Commercial Customers in a Mixed Meter Capacity -

This customer class reflects situations in which a large commercial, industrial, and/or governmental customer account also contains features of residential and/or small commercial customers. In this instance, the residential and/or small commercial portion must be an incidental portion of the larger account. **This customer class alone does not allow marketing targeted directly to residential and/or small commercial customers.** Further information may be found in the Requirements Applicable to Mixed Meter Scenarios Secretarial Letter served March 25, 2011, at Docket No. M-2009-2082042.

f. **START DATE:** Provide the approximate date the Applicant proposes to actively market within the Commonwealth.

**4/1/2025**

## 5. COMPLIANCE

- a. **CRIMINAL/CIVIL PROCEEDINGS:** State specifically whether the Applicant, an affiliate, a predecessor of either, or a person identified in this Application, has been or is currently the defendant of a criminal or civil proceeding within the last five (5) years.

Identify all such proceedings (active or closed), by name, subject and citation; whether before an administrative body or in a judicial forum. If the Applicant has no proceedings to list, explicitly state such.

**Applicant has no proceedings to list.**

- b. **CUSTOMER/REGULATORY/PROSECUTORY ACTIONS:** Identify all formal or escalated actions or complaints, in the Commonwealth of Pennsylvania or any state, filed with or by a customer, regulatory agency, or prosecutory agency against the Applicant, an affiliate, a predecessor of either, or a person identified in this Application, for the prior five (5) years, including but not limited to customers, Utility Commissions, and Consumer Protection Agencies such as the Offices of Attorney General. **Applicant should also include if it had a Pennsylvania PUC EGS or NGS license previously cancelled by the Commission.** If the Applicant has no actions or complaints to list, explicitly state such.

**Applicant has no actions or complaints to list.**

- c. **SUMMARY:** Provide a statement as to the resolution or present status of any proceedings or actions listed above. Additionally, provide details of any actions the applicant has undertaken that will prevent the items listed above from occurring if licensed in Pennsylvania.

**Applicant has no actions or complaints to list.**

## 6. PROOF OF SERVICE

**Required of ALL Applicants regardless of operating as a supplier, broker, marketer, or aggregator.**  
*(Example Certificate of Service is attached at Appendix C)*

- a. **STATUTORY AGENCIES:** Pursuant to Sections 1.57, 1.58, and 54.32(d) of the Commission's Regulations, 52 Pa. Code §§ 1.57, 1.58, and 54.32(d), provide proof of service of a signed and verified Application with attachments on the following:

Bureau of Investigation & Enforcement  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
400 North Street, 2 West  
Harrisburg, PA 17120

Office of the Attorney General  
Bureau of Consumer Protection  
Strawberry Square, 14th Floor  
Harrisburg, PA 17120

Office of Consumer Advocate  
5th Floor, Forum Place  
555 Walnut Street  
Harrisburg, PA 17120

Department of Revenue  
Bureau of Compliance  
PO Box 281230  
Harrisburg, PA 17128-1230

Office of Small Business Advocate  
Forum Place  
555 Walnut Street, 1st Floor  
Harrisburg, PA 17101

- b. **EDCs:** Pursuant to Sections 1.57, 1.58, and 54.32(d) of the Commission’s Regulations, 52 Pa. Code §§ 1.57, 1.58, and 54.32(d), provide Proof of Service of the Application and attachments upon each Electric Distribution Company the Applicant proposes to provide service in. Upon review of the Application, further notice may be required pursuant to Section 5.14 of the Commission’s Regulations, 52 Pa. Code § 5.14. Contact information for each EDC is as follows.

<p><b>Citizens’ Electric Company:</b>  Citizens' Electric Company  Attn: EGS Coordination  1775 Industrial Boulevard  Lewisburg, PA 17837</p>	<p><b>Duquesne Light Company:</b>  Regulatory Affairs  Duquesne Light Company  411 Seventh Street, MD 16-4  Pittsburgh, PA 15219</p>
<p><b>Met-Ed, Penelec, and Penn Power:</b>  Legal Department  First Energy  2800 Pottsville Pike  Reading PA, 19612</p>	<p><b>PECO:</b>  Manager Energy Acquisition  PECO Energy Company  2301 Market Street  Philadelphia, PA 19101-8699</p>
<p><b>Pike County Light &amp; Power Company:</b>  Vice President – Energy Supply  Coming Natural Gas Holding Corporation  330 West William Street  Coming, NY 14830</p>	<p><b>PPL:</b>  Office of General Counsel  Attn: Kimberly A. Klock  PPL  Two North Ninth Street (GENTW3)  Allentown, PA 18101-1179</p>
<p><b>UGI:</b>  UGI Utilities, Inc.  Attn: Rates Dept. – Choice Coordinator  1 UGI Drive  Denver, PA 17517</p>	<p><b>Wellsboro Electric Company:</b>  Wellsboro Electric Company  Attn: EGS Coordination  33 Austin Street  P. O. Box 138  Wellsboro, PA 16901</p>
<p><b>West Penn Power:</b>  Legal Department  West Penn Power d/b/a Allegheny Power  800 Cabin Hill Drive  Greensburg, PA 15601-1689</p>	

## 7. FINANCIAL FITNESS

a. **FINANCIAL SECURITY:** In accordance with 66 Pa.C.S. § 2809(c)(1)(i) and 52 Pa. Code § 54.40(a), the Applicant is required to file a bond or other instrument to ensure its financial responsibilities and obligations as an EGS. Therefore, the Applicant is...

- Furnishing the **ORIGINAL** of an initial bond, letter of credit or proof of bonding to the Commission in the amount of \$250,000.
- Furnishing the **ORIGINAL** of another initial security for Commission approval, to ensure financial responsibility, such as a parental guarantee, in the amount of \$250,000.
- For Marketers and Brokers** - Filing for a modification to the \$250,000 requirement and furnishing the **ORIGINAL** of an initial bond, letter of credit or proof of bonding to the Commission in the amount of \$10,000. Applicant is required to provide information supporting an amount less than \$250,000. Such supporting information must include indication that the Applicant will not take title to electricity and will not pay electricity bills on behalf of its customers. Further details for modification may be described as well.

Please note that Patel Energy LLC will not take title to electricity and will not pay electricity bills on behalf of its customers. Patel Energy LLC will be compensated as a discrete \$/Kwh broker fee embedded within electric rate.

### **CRITICAL BONDING NOTES:**

Applicant is required to maintain a bond or other financial instrument the entire time it maintains an EGS license with the Commonwealth of Pennsylvania. If Applicant's security instrument is not continuous, Applicant **MUST** submit a Rider, Amendment, or Continuation Certificate annually based on the expiration date of its security instrument.

At least sixty days (60) prior to the security instrument's expiration date, EGS suppliers should email [pc-puc-tus-energy@pagov.onmicrosoft.com](mailto:pc-puc-tus-energy@pagov.onmicrosoft.com) or call (717)783-5242 to determine the appropriate bonding amount based on a percentage of suppliers gross receipts resulting from the sale of generated electricity consumed in Pennsylvania. Once the amount has been determined, suppliers should overnight the updated security instrument(s) at least thirty (30) days prior to the expiration date to ensure adequate time for staff review and approval of the security instrument(s).

Template versions of a continuous bond (preferred), fixed-term bond, continuous letter of credit, and parental guarantee are attached at Appendix E, F, G, & H, respectively. Applicant's security must follow language from these examples, and must include the unmodified language outlined in Appendix D. Any deviation from these examples must be identified in the application and may not be acceptable to the Commission.

**b. FINANCIAL RECORDS, STATEMENTS, AND RATINGS:** Applicant must provide sufficient information to demonstrate financial fitness commensurate with the service proposed to be provided. Examples of such information which may be submitted include the following:

- Actual (or proposed) organizational structure including parent, affiliated or subsidiary companies.
- Published Applicant or parent company financial and credit information (i.e. 10Q or 10K) (SEC/EDGAR web addresses are sufficient)
- Applicant's accounting statements, including balance sheet and income statements for the past two years.
- Evidence of Applicant's credit rating. Applicant may provide a copy of its Dun and Bradstreet Credit Report and Robert Morris and Associates financial form, evidence of Moody's, S&P, or Fitch ratings, and/or other independent financial service reports.
- A description of the types and amounts of insurance carried by Applicant which are specifically intended to provide for or support its financial fitness to perform its obligations as a licensee.
- Audited financial statements exhibiting accounts over a minimum two-year period.
- Bank account statements (3-12 recent consecutive months), tax returns from the previous two years, or any other information that demonstrates Applicant's financial fitness.

**c. SUPPLIER FUNDING METHOD:** If Applicant is operating as anything other than **Broker/Marketer only**, explain how Applicant will fund its operations. Provide all credit agreements, lines of credit, etc., and elaborate on how much is available on each item.

**NOT APPLICABLE AS APPLICANT WILL BE OPERATING AS A BROKER/MARKETER ONLY**

**d. BROKER PAYMENT STRUCTURE:** If applicant is a broker/marketer, explain how your organization will be collecting your fees.

**Patel Energy LLC will be compensated in one of two ways:**

1. A discrete \$/MWh broker fee embedded within electricity rate.
2. A discrete consulting fee which Patel Energy will invoice Customer for, and Customer will pay directly to PatelEnergy.

**e. ACCOUNTING RECORDS CUSTODIAN:** Provide the name, title, address, telephone number, FAX number, and e-mail address of Applicant's custodian for its accounting records.

**Manishkumar C Patel**  
**President, Patel Energy LLC,**  
**221 Mill Race Drive, Easton, PA 18045**  
**Phone: 610-360-2929**  
**Email: patelenergyllc@gmail.com**

**f. TAXATION:** Complete the TAX CERTIFICATION STATEMENT attached as Appendix I to this application.

*All sections of the Tax Certification Statement must be completed. Submitting N/A on either the Sales Tax License Number or the Employer ID Number (items 7A and 7B) shall be accompanied by supporting documentation or an explanation validating the absence of such information.*

*Item 7A on the Tax Certification Statement is designated by the Pennsylvania Department of Revenue. Item 7B on the Tax Certification Statement is designated by the Internal Revenue Service.*

## 8. TECHNICAL FITNESS:

To ensure that the present quality and availability of service provided by electric utilities does not deteriorate, the Applicant shall provide sufficient information to demonstrate technical fitness commensurate with the service proposed to be provided.

a. **EXPERIENCE, PLAN, STRUCTURE:** such information may include:

**FOR THIS SECTION PLEASE REFER TO SUPPLEMENTAL DOCUMENT ENTITLED "SUPPLEMENTAL INFORMATION"**

- Applicant's previous experience in the electricity industry.
- Summary and proof of licenses as a supplier of electric services in other states or jurisdictions.
- Type of customers and number of customers Applicant currently serves in other jurisdictions.
- Staffing structure and numbers as well as employee training commitments.
- Business plans for operations within the Commonwealth.
- Documentation of membership in PJM, ECAR, MAAC, other regional reliability councils, or any other membership or certification that is deemed appropriate to justify competency to operate as an EGS within the Commonwealth.
- Any other information appropriate to ensure the technical capabilities of the Applicant.

b. **PROPOSED MARKETING METHOD** (*check all that apply*)

- Internal – Applicant will use its own internal resources/employees for marketing
- External EGS – Applicant will contract with a PUC **LICENSED EGS** broker/marketer
- Affiliate – Applicant will use a **NON-EGS** affiliate marketing company and or individuals.
- External Third-Party – Applicant will contract with a **NON-EGS** third party marketing company and or individuals
- Other (Describe):

c. **DOOR TO DOOR SALES:** Will the Applicant be implementing door to door sales activities?

- Yes
- No

If yes, will the Applicant be using verification procedures?

- Yes
- No

If yes, describe the Applicant's verification procedures.

- d. **OVERSIGHT OF MARKETING:** Explain all methods Applicant will use to ensure all marketing is performed in an ethical manner, for both employees and subcontractors.

**Prospecting and Sales are led by Managers. Sales collateral and tools are prepared by the Managerial team in PDF form so they cannot be manipulated. Broker margin is reviewed and approved by vice president, and margin levels above certain thresholds are escalated for approval by the President of the business. New marketing material is approved by the President of the business. Operative documents including Risk Management policies are adhered to by all staff. Our interest is to grow a business using the strength of our integrity and network and our reputation is very important.**

- e. **OFFICERS:** Identify Applicant's chief officers, and include the professional resumes for any officers directly responsible for operations. All resumes should include date ranges and job descriptions containing actual work experience.

**Manishkumar C Patel, President**

**Resume included with application**

- f. **FERC FILING:** Applicant has:

- Filed an Application with the Federal Energy Regulatory Commission to be a Power Marketer.
- Received approval from FERC to be a Power Marketer at Docket or Case Number \_\_\_\_\_.
- Not applicable

## 9. DISCLOSURE STATEMENTS:

**Disclosure Statements:** If proposing to serve Residential and/or Small Commercial (under 25 kW) Customers, provide a Residential and/or Small Commercial disclosure statement. A sample disclosure statement is provided as Appendix J to this Application.

- Electricity should be priced in clearly stated terms to the extent possible. Common definitions should be used. All consumer contracts or sales agreements should be written in plain language with any exclusions, exceptions, add-ons, package offers, limited time offers or other deadlines prominently communicated. Penalties and procedures for ending contracts should be clearly communicated.

***Not applicable for an applicant applying for a license exclusively as a broker/marketer.***

## 10. VERIFICATIONS, ACKNOWLEDGEMENTS, AND AGREEMENTS

- a. **PJM LOAD SERVING ENTITY REQUIREMENT:** As a prospective EGS, the applicant understands that those EGSs which provide retail electric supply service (i.e. takes title to electricity) must provide either:
- proof of registration as a PJM Load Serving Entity (LSE), or
  - proof of a contractual arrangement with a registered PJM LSE that facilitates the retail electricity services of the EGS.

The Applicant understands that compliance with this requirement must be filed within 120 days of the Applicant receiving a license. As well, the Applicant understands that compliance with this requirement may be filed with this instant application.

*(Select only one of the following)*

- AGREED - Applicant has included compliance with this requirement in the instant application, labeled in correspondence with this section (10).
- AGREED - Applicant will provide compliance with this requirement within 120 days of receiving its license
- ACKNOWLEDGED - Applicant is not proposing to provide retail electric supply service at this time, and therefore is not presently obligated to provide such information

- b. **STANDARDS OF CONDUCT AND DISCLOSURE:** As a condition of receiving a license, Applicant agrees to conform to any Uniform Standards of Conduct and Disclosure as set forth by the Commission. Further, the Applicant agrees that it must comply with and ensure that its employees, agents, representatives, and independent contractors comply with the standards of conduct and disclosure set out in Commission regulations at 52 Pa. Code § 54.43, as well as any future amendments.

- AGREED

- c. **REPORTING REQUIREMENTS:** Applicant agrees to provide the following information to the Commission or the Department of Revenue, as appropriate:

- Retail Electricity Choice Activity Reports: The regulations at 52 Pa. Code §§ 54.201--54.204 require that all active EGSs report sales activity information. An EGS will file an annual report reporting for customer groups defined by annual usage. Reports must be filed using the appropriate report form that may be obtained from the PUC's Secretary's Bureau or the forms officer, or may be down-loaded from the PUC's internet web site.
- Reports of Gross Receipts: Applicant shall report its Pennsylvania intrastate gross receipts to the Commission on a quarterly and year to date basis no later than 30 days following the end of the quarter.
- The Treasurer or other appropriate officer of Applicant shall transmit to the Department of Revenue by March 15, an annual report, and under oath or affirmation, of the amount of gross receipts received by Applicant during the prior calendar year.
- Net Metering Reports: Applicant shall be responsible to report any Net Metering per the Standards on [http://www.puc.pa.gov/consumer\\_info/electricity/alternative\\_energy.aspx](http://www.puc.pa.gov/consumer_info/electricity/alternative_energy.aspx). Scroll down to the Net Metering Standards Section.

- Applicant shall report to the Commission the percentages of total electricity supplied by each fuel source on an annual basis per 52 Pa. Code § 54.39(b)(4).
- Applicant will be required to meet periodic reporting requirements as may be issued by the Commission to fulfill the Commission's duty under Chapter 28 of the Public Utility Code, 66 Pa.C.S. Chapt. 28, pertaining to reliability and to inform the Governor and Legislature of the progress of the transition to a fully competitive electric market.

AGREED

- d. **TRANSFER OF LICENSE:** The Applicant understands that if it plans to transfer its license to another entity, it is required to request authority from the Commission for permission prior to transferring the license. See 66 Pa.C.S. § 2809(D) and 52 Pa. Code § 54.41(a). Transferee will be required to file the appropriate licensing application.

AGREED

- e. **ANNUAL FEES:** The Public Utility Code authorizes the PUC to collect an annual fee of \$350 from suppliers, brokers, marketers, and aggregators selling electricity in the Commonwealth of PA, and an annual supplemental fee based on annual gross intrastate revenues, applicable to suppliers only.

ACKNOWLEDGED

- f. **FURTHER DEVELOPMENTS:** Applicant is under a continuing obligation to amend its application if substantial changes occur to the information upon which the Commission relied in approving the original filing. See 52 Pa. Code § 54.34.

AGREED

- g. **FALSIFICATION:** The Applicant understands that the making of false statement(s) herein may be grounds for denying the Application or, if later discovered, for revoking any authority granted pursuant to the Application. This Application is subject to 18 Pa.C.S. §§ 4902, 4903, and 4904, relating to perjury and falsification in official matters.

AGREED

- h. **NOTIFICATION OF CHANGE:** If your answer to any of these items changes during the pendency of your application or if the information relative to any item herein changes while you are operating within the Commonwealth of Pennsylvania, you are under a duty to so inform the Commission, within thirty (30) days, as to the specifics of any changes which have a significant impact on the conduct of business in Pennsylvania. See 52 Pa. Code § 54.34.

AGREED

- i. **CEASING OF OPERATIONS:** Applicant is also required to officially notify the Commission if it plans to cease doing business in Pennsylvania, 90 days prior to ceasing operations.

AGREED

- j. **Electronic Data Interchange:** The Applicant acknowledges the Electronic Data Interchange (EDI) requirements and the relevant contacts for each EDC, as listed at Appendix M.

AGREED

- k. **FILING FEE:** The Applicant has enclosed or paid the required, non-refundable filing fee by **CERTIFIED CHECK OR MONEY ORDER** in the amount of **\$350.00** payable to the Commonwealth of Pennsylvania. The Commission does not accept corporate or personal checks for filing fees.

PAYMENT ENCLOSED

## 11. AFFIDAVITS

**Must be notarized before filing.**

- a. **APPLICATION AFFIDAVIT:** Complete and submit with your filing an officially notarized Application Affidavit stating that all the information submitted in this application is truthful and correct. An example copy of this Affidavit can be found at Appendix A. **SIGNED AND NOTARIZED APPLICATION INCLUDED HEREIN**
- b. **OPERATIONS AFFIDAVIT:** Provide an officially notarized affidavit stating that you will adhere to the reliability protocols of the North American Electric Reliability Council, the appropriate regional reliability council(s), and the Commission, and that you agree to comply with the operational requirements of the control area(s) within which you provide retail service. An example copy of this Affidavit can be found at Appendix B.

**SIGNED AND NOTARIZED APPLICATION INCLUDED HEREIN**

## 12. NEWSPAPER PUBLICATIONS

**Required of ALL Applicants regardless of operating as a supplier, broker, marketer, or aggregator.**

**All Applicants MUST include a Commission issued Docket Number in their publications.** Docket Numbers are issued to new applicants when an application packet is submitted to the PUC's Secretary's Bureau. **Newspaper publications published without a Commission issued Docket No. will be rejected.** For more information, see 52 Pa. Code § 54.35.

Notice of filing of this Application must be published in newspapers of general circulation covering each county in which the applicant intends to provide service. The newspapers in which proof of publication are required is dependent on the service territories the applicant is proposing to serve.

The chart below dictates which newspapers are necessary for each EDC. For example, an applicant that wants to operate in Penn Power would need to run ads in both The Erie Times-News and the Pittsburgh Post-Gazette. If the applicant is proposing to serve the entire Commonwealth, please file proof of publication in all seven newspapers.

The only acceptable verification of this requirement is with Notarized Proofs of Publication, which may be requested from each newspaper and **must be supplied to the Commission before the applicant is licensed.**

	Erie Times-News	Harrisburg Patriot-News	Philadelphia Daily News or Philadelphia Inquirer	Pittsburgh Post-Gazette	Scranton Times-Tribune	Williamsport Sun-Gazette	Johnstown Tribune-Democrat
Citizens' Electric						X	
Duquesne				X			
Met Ed		X	X		X		
PECO			X				
Penelec	X	X			X	X	X
Penn Power	X			X			
Pike					X		
PPL		X	X		X	X	
UGI					X		
Wellsboro						X	
West Penn		X		X		X	X
Entire Commonwealth	X	X	X	X	X	X	X

(Newspaper Publication Templates are provided at Appendices K and L)

### 13. SIGNATURE

Applicant: PATEL ENERGY LLC

By:  MANISHKUMAR C PATEL

Title: PRESIDENT

**14. CHECKLIST**

For the applicant’s convenience, please use the following checklist to ensure all relevant sections are complete. The Commission Secretary’s Bureau will not accept an application unless each of the following sections are complete.

**Applicant: PATEL ENERGY LLC**

	<b>Signature</b>	
	<b>Filing Fee (CERTIFIED CHECK OR MONEY ORDER ONLY)</b>	
<b>x</b>	<b>Application Affidavit</b>	
<b>x</b>	<b>Operations Affidavit</b>	
	<b>Bond, Letter of Credit, or Parental/Affiliate Guarantee</b>	
<b>x</b>	<b>Tax Certification Statement</b>	
<b>x</b>	<b>Commonwealth Department of State Verification</b>	
<b>x</b>	<b>Certificate of Service</b>	

Applicant's Use

PUC Secretary's Bureau Use

Appendix A

APPLICATION AFFIDAVIT

[Commonwealth/State] of PENNSYLVANIA :

: SS.

County of NORTHAMTON :

MANISHKUMAR C PATEL, Affiant, being duly [sworn/affirmed] according to law, deposes and says that:

[He/she is the PRESIDENT (Office of Affiant) of PATEL ENERGY LLC (Name of Applicant);]

[That he/she is authorized to and does make this affidavit for said Applicant;]

That the Applicant herein PATEL ENERGY LLC has the burden of producing information and supporting documentation demonstrating its technical and financial fitness to be licensed as an electric generation supplier pursuant to 66 Pa.C.S. § 2809 (b) and 52 Pa. Code § 54.37.

That the Applicant herein PATEL ENERGY LLC has answered the questions on the application correctly, truthfully, and completely and provided supporting documentation as required.

That the Applicant herein PATEL ENERGY LLC acknowledges that it is under a duty to update information provided in answer to questions on this application and contained in supporting documents.

That the Applicant herein PATEL ENERGY LLC acknowledges that it is under a duty to supplement information provided in answer to questions on this application and contained in supporting documents as requested by the Commission.

That the facts above set forth are true and correct to the best of his/her knowledge, information, and belief, and that he/she expects said Applicant to be able to prove the same at hearing.

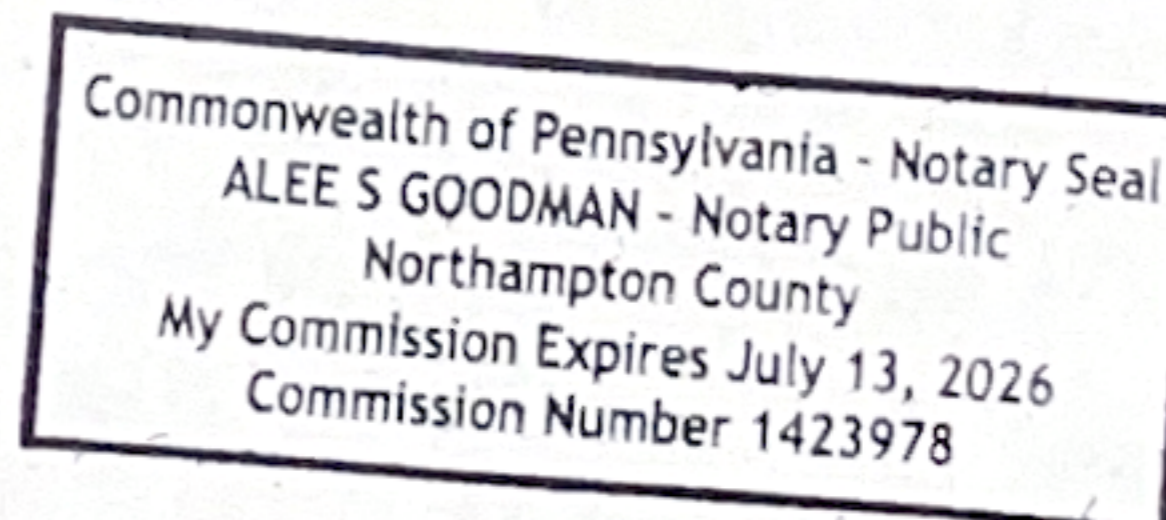
*(Handwritten Signature)*

Signature of Affiant

Sworn and subscribed before me this 28 day of July, 2025.

*(Handwritten Signature)*  
Signature of official administering oath

My commission expires 7/13/26.



Appendix B

OPERATIONS AFFIDAVIT

[Commonwealth/State] of PENNSYLVANIA :

: ss.

County of NORTHAMTON :

MANISHKUMAR C PATEL, Affiant, being duly [sworn/affirmed] according to law, deposes and says that:

[He/she is the PRESIDENT (Office of Affiant) of PATEL ENERGY LLC (Name of Applicant);]

[That he/she is authorized to and does make this affidavit for said Applicant;]

That PATEL ENERGY LLC, the Applicant herein, acknowledges that [Applicant] may have obligations pursuant to this Application consistent with the Public Utility Code of the Commonwealth of Pennsylvania, Title 66 of the Pennsylvania Consolidated Statutes; or with other applicable statutes or regulations including Emergency Orders which may be issued verbally or in writing during any emergency situations that may unexpectedly develop from time to time in the course of doing business in Pennsylvania.

That PATEL ENERGY LLC, the Applicant herein, asserts that [he/she/it] possesses the requisite technical, managerial, and financial fitness to render electric service within the Commonwealth of Pennsylvania and that the Applicant will abide by all applicable federal and state laws and regulations and by the decisions of the Pennsylvania Public Utility Commission.

That PATEL ENERGY LLC, the Applicant herein, certifies to the Commission that it is subject to , will pay, and in the past has paid, the full amount of taxes imposed by Articles II and XI of the Act of March 4, 1971 (P.L. 6, No. 2), known as the Tax Reform Code of 1971, 72 P.S. §§ 7101 et seq., and any tax imposed by Chapter 28 of Title 66. The Applicant acknowledges that failure to pay such taxes or otherwise comply with the taxation requirements of Chapter 28, shall be cause for the Commission to revoke the license of the Applicant. The Applicant acknowledges that it shall report to the Commission its jurisdictional Gross Receipts and power sales for ultimate consumption, for the previous year or as otherwise required by the Commission. The Applicant also acknowledges that it is subject to 66 Pa.C.S. § 506 (relating to the inspection of facilities and records).

As provided by 66 Pa.C.S. § 2810 (C)(6)(iv), Applicant, by filing of this application waives confidentiality with respect to its state tax information in the possession of the Department of Revenue, regardless of the source of the information, and shall consent to the Department of Revenue providing that information to the Pennsylvania Public Utility Commission.

Appendix B (Continued)

That PATEL ENERGY LLC, the Applicant herein, acknowledges that it has a statutory obligation to conform with 66 Pa.C.S. § 506, § 2807(c), § 2807(d)(2), § 2809(b) and the standards and billing practices of 52 Pa. Code Chapter 56.

That the Applicant agrees to provide all consumer education materials and information in a timely manner as requested by the Bureau of Public Liaison or other Commission bureaus. Materials and information requested may be analyzed by the Commission to meet obligations under applicable sections of the law.

That the facts above set forth are true and correct/true and correct to the best of his/her knowledge, information, and belief.

*Patel*

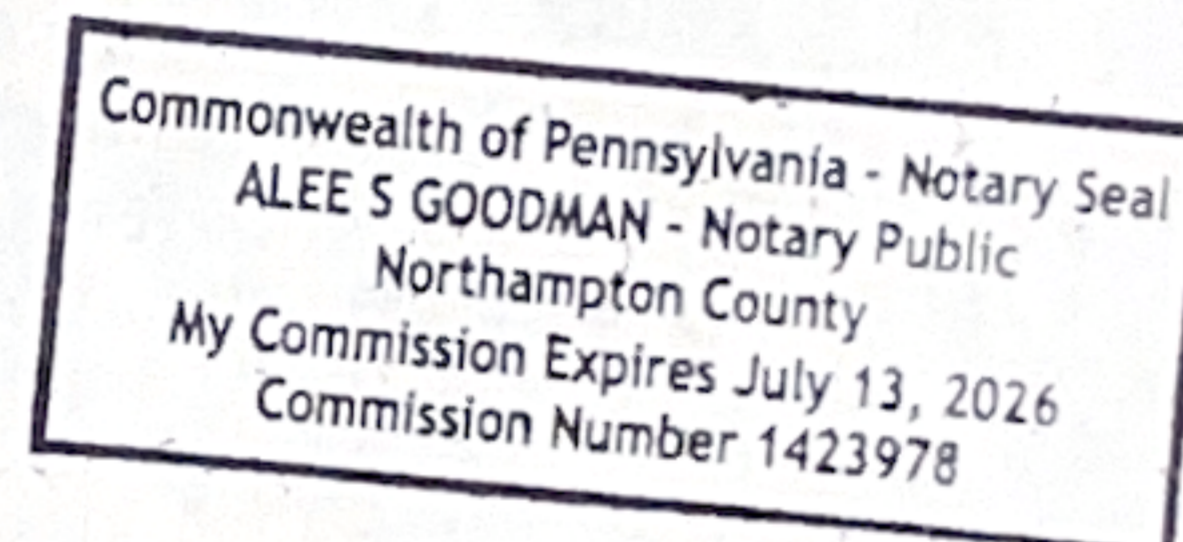
\_\_\_\_\_  
Signature of Affiant

Sworn and subscribed before me this 28 day of July, 2025.

*Alee S Goodman*

\_\_\_\_\_  
Signature of official administering oath

My commission expires 7/13/26.





0014112794



**COMMONWEALTH OF PENNSYLVANIA**  
 Department of State  
 Bureau of Corporations and Charitable Organizations  
 PO Box 8722  
 Harrisburg, Pennsylvania 17105-8722  
**CERTIFICATE OF ORGANIZATION -**  
**LIMITED LIABILITY COMPANY**  
 Fee: \$125

Pennsylvania Department of State

**-FILED-**

File #: 0014112794  
Date Filed: 2/9/2025

B0784-7143 02/09/2025 9:21 PM Received by Pennsylvania Department of State

**DSCB:15-8821 (rev. 2/2017)**

In compliance with the requirements of [15 Pa.C.S. § 8821](#) relating to certificate of organization), the undersigned desiring to organize a limited liability company, hereby certifies that:

Limited Liability Company Type	
Filing type	Domestic Limited Liability Company
Limited liability company subtype	Limited Liability Company

Limited Liability Company Name	
Entity name	PATEL ENERGY LLC

Effective Date	
The filing shall be effective when filed with the Department of State	

Registered Office	
The address of this limited liability company's proposed registered office in this Commonwealth is	
221 MILL RACE DR	
EASTON, PA 18045-7473	
NORTHAMPTON	

Organizers	
Name of individual or organization	Address
MANISHKAUMAR C PATEL	221 MILL RACE DR EASTON, PA 18045-7473
SANGITABEN PATEL	221 MILL RACE DR EASTON, PA 18045-7473
VISHAL J PATEL	1303 N 13TH ST APT A12 WHITEHALL, PA 18052-7545
PRIYANKA R PATEL	1303 N 13TH ST APT A12 WHITEHALL, PA 18052-7545

Additional provisions, if any	
Additional provisions	

I qualify for a veteran/reservist-owned small business fee exemption (see help)

Electronic Signature

IN TESTIMONY WHEREOF, the organizer(s) has (have) executed this Certificate of Organization.

*MANISHKUMAR C PATEL*

*02/13/2025*

MANISHKAUMAR C PATEL

Date

*SANGITABEN PATEL*

*02/13/2025*

SANGITABEN PATEL

Date

*VISHAL J PATEL*

*02/13/2025*

VISHAL J PATEL

Date

*PRIYANKA R PATEL*

*02/13/2025*

PRIYANKA R PATEL

Date



**Pennsylvania Department of State**  
Bureau of Corporations and Charitable Organizations  
PO Box 8722 | Harrisburg, PA 17105-8722  
T: 717.787.1057  
[dos.pa.gov/BusinessCharities](http://dos.pa.gov/BusinessCharities)

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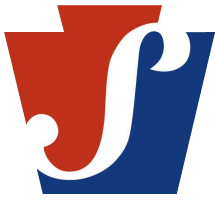
Receipt Date: 02/09/2025

Receipt No.: 1438517

### Receipt Detail

Receipt Item	Description	Check/Ref#	Amount
Limited Liability Company Certificate of Organization	PATEL ENERGY LLC	14112794	-\$125.00
Payment - Web Credit Card		a0b121aa-88a2-46e8-a	\$125.00

Balance: **\$0.00**



**Pennsylvania Department of State**  
Bureau of Corporations and Charitable Organizations  
PO Box 8722 | Harrisburg, PA 17105-8722  
T: 717.787.1057  
[dos.pa.gov/BusinessCharities](http://dos.pa.gov/BusinessCharities)

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March 17, 2025

PATEL ENERGY LLC  
221 MILL RACE DR  
EASTON, PA 18045-7473

**Entity Name:** PATEL ENERGY LLC  
**Entity File Date:** February 9, 2025  
**Entity Number:** 0014112794  
**Filing Type:** Domestic Limited Liability Company

The Bureau of Corporations and Charitable Organizations is happy to send your filed document. The Bureau is here to serve you and we would like to thank you for doing business in Pennsylvania.

Thank you for registering with the Department of State to do business in Pennsylvania. Like many other businesses, you may have employees, sell taxable products, or provide a taxable service to consumers in Pennsylvania. Please visit [www.pa100.state.pa.us](http://www.pa100.state.pa.us) to register for business taxes with the Department of Revenue and the Department of Labor and Industry. You may also visit [www.Business.pa.gov](http://www.Business.pa.gov) to find resources for businesses through all stages of development.

Beginning in 2025, annual reports are required for all domestic filing entities, limited liability general partnerships and registered foreign associations. More information will be forthcoming from the Bureau. However, to ensure that you receive notice of how and when to make annual reports, keep all information on file with the Bureau up-to-date, particularly registered office address.

**Pennsylvania Department of State**  
Bureau of Corporations and Charitable Organizations  
PO Box 8722 | Harrisburg, PA 17105-8722  
T: 717-787-1057  
dos.pa.gov/BusinessCharities

**Regarding:** PATEL ENERGY LLC  
**Request Type:** Subsistence Certificate **Issuance Date:** March 17, 2025  
**Request No.:** 052810011 **File No.:** 0014112794  
**Receipt No.:** 001524057  
**Filing Type:** Domestic Limited Liability Company  
**Filing Subtype:** Limited Liability Company  
**Initial Filing Date:** February 09, 2025  
**Status:** Active

**TO ALL WHOM THESE PRESENTS SHALL COME, GREETING:**

I DO HEREBY CERTIFY THAT

PATEL ENERGY LLC

is currently subsisting on the records of the Department of State as of the issuance date herein.

I DO FURTHER CERTIFY THAT this Subsistence Certificate shall not imply that all fees, taxes and penalties owed to the Commonwealth of Pennsylvania are paid.



IN TESTIMONY WHEREOF, I have hereunto set my hand and caused the seal of my office to be affixed, the day and year above written

A handwritten signature in cursive script, appearing to read "Albert Schmidt".

**Albert Schmidt**  
Secretary of the Commonwealth

Verify this certificate online at [www.file.dos.pa.gov](http://www.file.dos.pa.gov)

## Appendix C

Required of ALL Applicants regardless of operating as a supplier, broker, marketer, or aggregator.

### Example CERTIFICATE OF SERVICE

On this the 26 day of JULY 2025, I certify that a true and correct copy of the foregoing application form for licensing within the Commonwealth of Pennsylvania as an Electric Generation Supplier and all **NON-CONFIDENTIAL** attachments have been served, as either a hardcopy or a searchable PDF version on a cd-rom or a USB flash drive, upon the following:

Bureau of Investigation & Enforcement  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
400 North Street, 2 West  
Harrisburg, PA 17120

Office of the Attorney General  
Bureau of Consumer Protection  
Strawberry Square, 14th Floor  
Harrisburg, PA 17120

Office of Consumer Advocate  
5th Floor, Forum Place  
555 Walnut Street  
Harrisburg, PA 17120

Department of Revenue  
Bureau of Compliance  
PO Box 281230  
Harrisburg, PA 17128-1230

Office of Small Business Advocate  
Forum Place  
555 Walnut Street, 1st Floor  
Harrisburg, PA 17101

Vice President – Energy Supply  
Corning Natural Gas Holding Corporation  
330 West William Street  
Corning, NY 14830

Legal Department  
West Penn Power d/b/a Allegheny Power  
800 Cabin Hill Drive  
Greensburg, PA 15601-1689

Manager Energy Acquisition  
PECO Energy Company  
2301 Market Street  
Philadelphia, PA 19101-8699

Regulatory Affairs  
Duquesne Light Company  
411 Seventh Street, MD 16-4  
Pittsburgh, PA 15219

Office of General Counsel  
Attn: Kimberly A. Klock  
PPL  
Two North Ninth Street (GENTW3)  
Allentown, PA 18101-1179

Legal Department  
First Energy  
2800 Pottsville Pike  
Reading PA, 19612

UGI Utilities, Inc.  
Attn: Rates Dept. – Choice Coordinator  
1 UGI Drive  
Denver, PA 17517

Citizens' Electric Company  
Attn: EGS Coordination  
1775 Industrial Boulevard  
Lewisburg, PA 17837

Wellsboro Electric Company  
Attn: EGS Coordination  
33 Austin Street  
P. O. Box 138  
Wellsboro, PA 16901

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John Doe, President ABC Corp.

**c. PROPOSED SERVICES: Describe in detail the electric services or the electric generation services which the Applicant proposes to offer.**

Below is a high level overview of the products and services Patel Energy intends to provide to customers:

- Resiliency Services - Patel Energy will provide distributed energy systems with the intention of solving customers power resiliency needs during outages from weather disturbances or other factors. Patel Energy will provide this solution through a Resiliency Agreement, which may involve brokering the customers power supply. Patel Energy plans to provide this solution across Pennsylvania in both regulated and deregulated energy markets.
- Power Commodity Brokerage and Risk Management - Patel Energy's primary focus will be to provide Reliability Services with power commodity brokerage included within the scope of the Resiliency Agreement; however, to the extent customers are seeking discrete power brokerage services from Patel Energy, Patel Energy may provide. Patel's approach to providing discrete power brokerage services is to do so with transparent fee structures whether that is through a consulting payment or an agreed-upon and documented usage based fee embedded in the power rate.
- Utility Bill Management Services - Patel Energy will provide utility bill management services including data and analytics.
- Demand Response Services - Patel Energy will provide demand response and ancillary services to customers across Pennsylvania.

**MANISH PATEL, P.E., LEED**

E-mail: mcpatel@panynj.gov

**Tel: (610) - 360-2929**

---

**Area of**

**Competence:** Manage and Design Energy Projects for the facilities.

**CERTIFICATIONS:**

**Professional Engineer: NJ and PA**  
**EPA Refrigerant Technician Certificate**  
**OSHA certified, Ontrack safety training**

**SKILLS:**

Microsoft Office suite and knowledge of PANYNJ applications.  
**Software Proficiency:** AutoCAD (2022), Revit (2018), HAP 4.70

**WORK**

**EXPERIENCE:**

**05/18-Present Owner of various properties**

Reviewed Electrical bills and obtained Energy suppliers to optimise return for the residential, commercial, gas stations. Review suppliers contracts and approve as per requirements. Performed Energy Conservation Measure for the residential, commercial and community centers. Obtain rebates from various Energy companies. I have through knowledge of Electrical and Natural Gas supplier Bills advise the community to get sign for an Electrical and Gas supply contract to save money. Also help the community to obtain a supplier and proofread their contracts. I have detailed knowledge of how to obtain Electrical and Gas suppliers to bid on a proposal and get a best contract for the community. Performed Cooling and heating loads, Comecheck, and prepared drawings for the approval. Prepared requirement for resilience services needed during power outage and implemented projects such as installed Generator, broker power supplies. Design and install EV charging station for a motel and broker power supply for a motel. Performed utility bill management for a comfort in suite motel. Performed peak power demand calculator for a motel.

**05/14-Present PANYNJ, 4 WTC, NY City**

**Senior Mechanical Engineer**

Lead Engineer (LE/A) for many design projects which include designing mechanical systems, managing design teams, and commissioning HVAC and Plumbing related projects. Performed Energy modeling, analysis for the various buildings. Reviewed Energy projects proposal and approved for the construction.

**05/13-05/14 EI Associates, Cedar Knolls, NJ**

**HVAC Engineer**

Prepared Smart start rebate application and submitted required documents for various school projects to get NJ rebates. Boiler Plant Design, Chiller Plant Design, School HVAC upgrade, Commercial and Industrial HVAC and Plumbing Design.

**1/12-05/13 PTS Data Center Solution, Franklin Lake, NJ**

**Mechanical Design Engineer**

HVAC Design for Mission critical facility. Which include Load Calculation, CFD, HVAC equipment selection, cost estimate, commissioning, BAS system design and prepare construction documents using AutoCAD.

**11/11-1/12 Bruns-Pak, Edison, NJ**

**HVAC Engineer**

Part of HVAC Design team for Mission critical facility design. Which include Chiller Plant, Diesel Fuel system, CRAC units, Generator room HVAC system and specification writing.

**03/02-10/11 EI Associates, Cedar Knolls, NJ  
HVAC Engineer**

- Responsible for design HVAC, Plumbing and Fire Protection system for various types of facilities such as school, Pharmaceutical, Industrial, Commercial.
- Establish design criteria for mechanical systems and suggest different alternate of system.
- Responsible for load calculations, equipment selection, ductwork, hydronic piping, plumbing piping layout and sizes using applicable codes and standards.
- Prepare detailed specifications for systems components. Specify standards for construction.
- Provide technical direction to designers in the production of detailed drawings using AutoCAD 2010.
- Review and approve shop drawing and equipment submittals.
- Generate cost estimates at all project phases. Review contractor claims for added costs during construction and participate in negotiated settlement of such claims. Conduct field inspections and evaluations of mechanical contractor installations.

**11/01-03/02 A.G. Consulting Engineering PC, New York, NY  
CAD Designer**

Responsible for CAD works such as: make HVAC layout, Plumbing layout, and sprinkler layout using Auto CAD R14 & R2000. Design school projects, and railway-station projects.

**02/01-11/01 F & G Mechanical Corporation, Secaucus, NJ  
HVAC Design Engineer**

HVAC design using Auto CAD.

**09/00 – 12/00 New Jersey Institute of Technology, Newark  
Teaching Assistant**

Teaching lab assistant for Pro/E software with Dr. Suranhata H. in Mechanical Engineering Department.

**10/98 – 05/99 Corma Inc., Concord (Toronto), CANADA  
Junior Design Engineer**

Design die tooling of corrugation machine with Auto CAD (R-14), using American standard and ISO standards, according to pipe size and types of material. Responsible for modified existing design drawings and issued them by following ISO Certificates procedure.

**10/90 - 10/91 Power Build Ltd., INDIA  
Apprentice Engineer**

Participated in one-year hands on design program, covered transmission parts design such as gears, shafts, bearings, and couplings. Mechanical drafting determined dimensions and geometric tolerances, examined threads and fasteners. I have spent over thousand hours working with computer aided drafting (CAD) system doing mechanical drafting.