



NV Energy Electrification

Raheel Sadiq, MBA

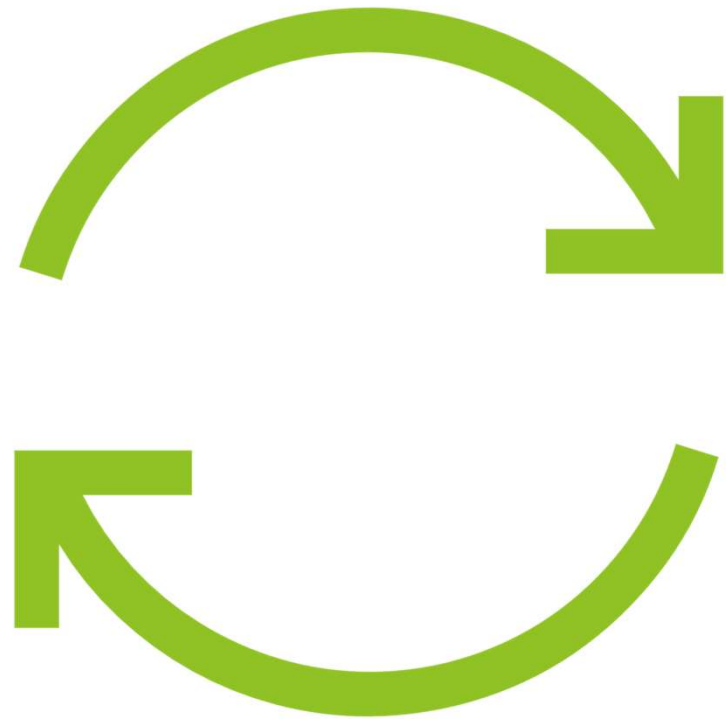
Project Manager, Renewable Energy
- Electrification

AGENDA

- ▶ Process for New Projects
- ▶ NV Energy Distribution Process
- ▶ Tips for Reducing EV Infrastructure Costs

Process for New Projects

- ▶ Create Account & Application
- ▶ Property Type & Location
- ▶ Contact Information
- ▶ Project Information
- ▶ Load Information
- ▶ Documents



Create Account & Application

- ▶ LAUNCH NEW CONSTRUCTION PORTAL
 - ▶ [NCP.NVENERGY.COM/NVE](https://ncp.nvenergy.com/nve)
- ▶ START A NEW PROJECT
- ▶ REGISTER ACCOUNT



Property Type & Location

- ▶ WHAT'S THE PROJECT TYPE?
 - ▶ RESIDENTIAL, COMMERCIAL, MIXED USE, ETC.
- ▶ NEW SERVICE OR UPGRADING SERVICE
- ▶ NAME & LOCATION OF THE PROJECT
 - ▶ APN REQUIRED
- ▶ CONTACT INFORMATION
 - ▶ COMPANY/BUSINESS NAME W/ BUSINESS ID OR INDIVIDUAL

Project Information

- ▶ ESTIMATED COMPLETION DATE?
- ▶ PROVIDE DESCRIPTION OF THE PROJECT
- ▶ ANY UTILITY, LOCAL, STATE, FEDERAL, OR PRIVATE ENTITY THAT WILL OR COULD CONFLICT WITH THE PROJECT?
- ▶ IS THERE TEMPORARY SERVICE REQUIRED FOR THE PROJECT?



Additional Project Information

- ▶ WHEN IS THE ON-SITE CONSTRUCTION EXPECTED TO START?
- ▶ WHEN WILL POWER BE REQUIRED FOR THE SITE'S FIRST METER?
- ▶ IS THE PROJECT IN PHASES?
- ▶ FEDERAL-AID FUNDS BEING UTILIZED FOR THE PROJECT?
- ▶ UTILITY REMOVALS REQUIRED?
- ▶ SOLAR, WIND, OR OTHER RENEWABLES?
- ▶ ELECTRIC VEHICLE CHARGING STATIONS BE INSTALLED?

Electric Load Information

- ▶ # OF NEW UNITS
- ▶ VOLTAGE & PANEL SIZE
- ▶ # OF PANELS & # METERS PER PANEL
- ▶ MINIMUM AND MAXIMUM SQUARE FOOTAGE
- ▶ WHAT IS THE LARGEST A/C TONNAGE?
- ▶ WHAT IS THE PROJECT TYPE?
 - ▶ COMMERCIAL, INDUSTRIAL, HOTEL/CASINO



Additional Load Information

- ▶ ARE THERE ANY APPLICABLE PROJECT TYPES THAT HAVE METERING REQUIREMENTS?
 - ▶ DETACHED STRUCTURES, STREET LIGHTS, COMMON AREA SERVICES, TEMPORARY SERVICES, ELECTRIC CHARGING, MOTOR LOADS, ADDITIONAL LOAD TYPES

Documents

- ▶ PROVIDE REQUIRED DOCUMENTS PRIOR TO ACCEPTANCE OF YOUR APPLICATION
 - ▶ SITE PLAN WITH PANEL LOCATIONS MARKED, CIVIL IMPROVEMENT PLANS, ETC.

NV Energy Distribution Process

Initiation

Design

Inspection

Scheduling

Construction

Meter Set

Initiation

- ▶ COMPLETE THE ONLINE ACCOUNT REGISTRATION WITHIN THE CONSTRUCTION PORTAL
- ▶ CREATE AN ONLINE APPLICATION FOR NEW UTILITY SERVICES WITH ALL SUPPORTING DOCUMENTS
- ▶ CHECK E-MAIL FOR AN ACCEPTANCE NOTIFICATION
- ▶ PAY ONLINE OR THROUGH MAIL IF AN ADVANCE PAYMENT IS REQUIRED



Design

- ▶ ENSURE YOUR APPLICATION IS SUBMITTED WITH ALL SUPPORTING DOCUMENTS
- ▶ ATTEND PRE-DESIGN MEETING IF REQUIRED
- ▶ PROVIDE ANY OUTSTANDING INFORMATION OR CHANGES TO YOUR PROJECT
- ▶ PROVIDE FINAL SERVICE ADDRESS AND ELECTRIC PANEL SIZE SPECIFICATIONS
 - ▶ INSTRUMENT RATED METERS ABOVE 320 A NEED SWITCHGEAR DRAWINGS REVIEW AND APPROVAL
- ▶ CHECK E-MAIL FOR REVIEW AND APPROVAL OF THE LINE EXTENSION AGREEMENT AND FINANCIAL CONTRACT
- ▶ PAY ONLINE, THROUGH MAIL. OR DROP OFF AT OUR FACILITIES IF PAYMENT IS REQUIRED

Inspection

- ▶ ATTEND PRE-CONSTRUCTION MEETING IF REQUIRED
- ▶ MAKE AN ONLINE REQUEST TO SCHEDULE AN INSPECTION THROUGH THE CONSTRUCTION PORTAL
- ▶ AFTER INSPECTION, YOU WILL RECEIVE THE RESULTS OF THE INSPECTION PASS/FAIL STATUS
 - ▶ IF THE INSPECTION FAILED, YOU CAN RE-SCHEDULE INSPECTION ONCE THE REASON HAS BEEN RESOLVED
- ▶ ONCE INSPECTION IS COMPLETE, CONSTRUCTION WILL BE SCHEDULED, AND YOU WILL RECEIVE CONFIRMATION THAT THE FINAL RELEASE IS COMPLETE

Scheduling

- ▶ PROVIDE YOUR CONSTRUCTION COORDINATOR OR OPERATIONS SCHEDULER WITH ANY INFORMATION ON EXISTING LANE BLOCKS AND ENCROACHMENT PERMITS YOU MAY HAVE
- ▶ ENSURE THE JOB SITE IS READY FOR NV ENERGY CREWS
- ▶ RECEIVE NOTIFICATION THAT ALL PERMITS ARE OBTAINED

Construction

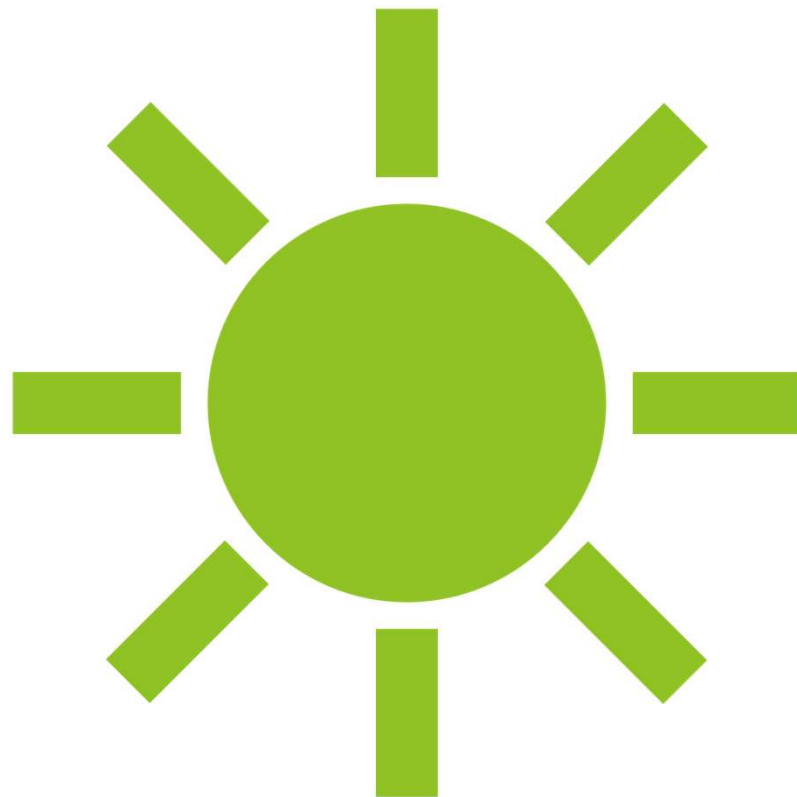
- ▶ YOU WILL BE NOTIFIED THAT NV ENERGY CREWS ARE SCHEDULE TO BE ONSITE
- ▶ YOU WILL RECEIVE A CONFIRMATION NOTICE THAT NV ENERGY CONSTRUCTION WORK IS COMPLETE

Meter Set

- ▶ PROVIDE AN ACCURATE BILLING ADDRESS AND/OR APPLICATION FOR EACH OF YOUR PROJECTS SERVICE POINTS
- ▶ OBTAIN GOVERNMENT APPROVAL FOR YOUR SERVICE POINTS
- ▶ RECEIVE FINAL INSPECTION APPROVAL FROM NV ENERGY FOR YOUR SERVICE POINTS
- ▶ AFTER RECEIVING A CONFIRMATION NOTIFICATION FOR INSTALLED METERS, ENSURE THAT SWITCHGEAR DRAWINGS HAVE BEEN PROVIDED FOR UTILITY REVIEW AND APPROVAL
- ▶ DELIVER THE METER PANEL DOOR TO NV ENERGY FACILITIES AND OBTAIN CURRENT TRANSFORMERS (SOUTHERN NEVADA ONLY)

Tips for Reducing EV Infrastructure Costs

- ▶ PASS COST ONTO CONSUMERS
- ▶ FEDERAL INCENTIVES
- ▶ STATE & LOCAL INCENTIVES
- ▶ UTILITY INCENTIVES
- ▶ INTEGRATE SOLAR
- ▶ LOCATION OF CHARGER(S)
- ▶ PROCUREMENT VOLUME
- ▶ SUPPLY CHAIN AWARENESS
- ▶ PLAN FOR THE FUTURE





Raheel Sadiq, MBA
Project Manager, Electrification

Email: raheel.sadiq@nvenergy.com

Phone: 702-525-0927