

Utility Development

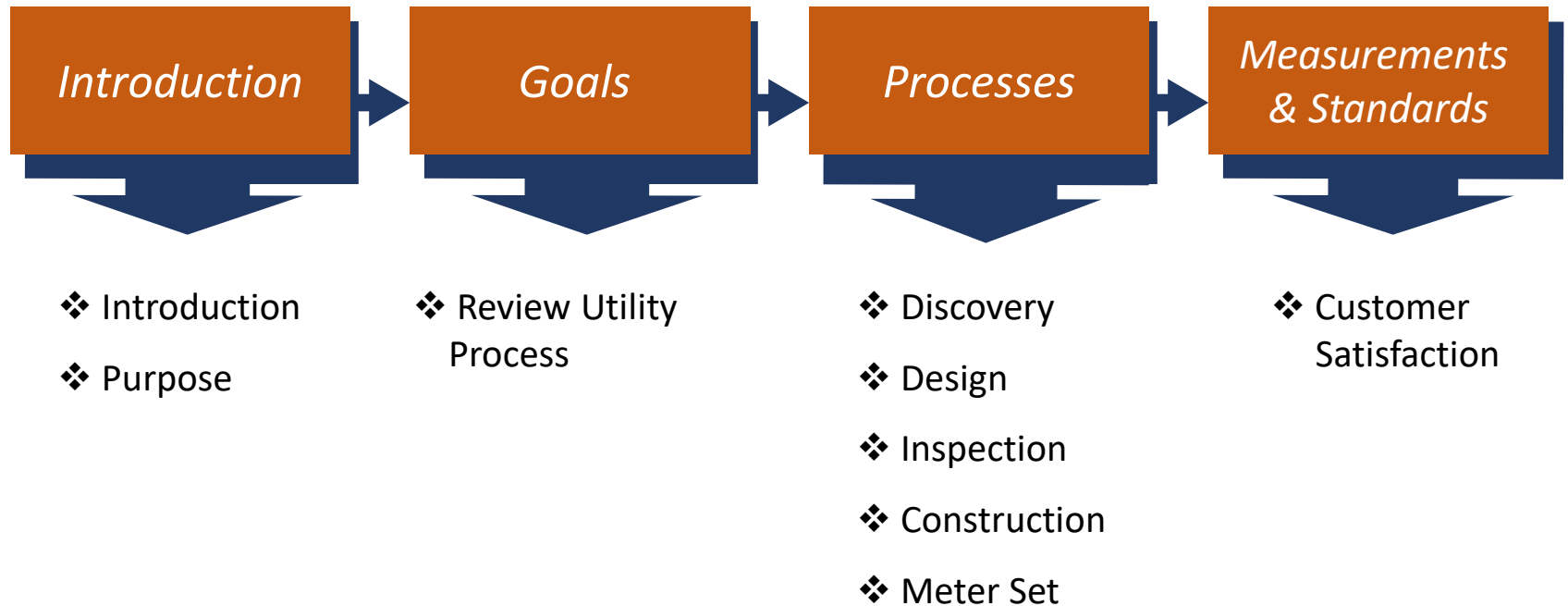
Utility Development Process
Guidebook

NV Energy
Energy Delivery Operations



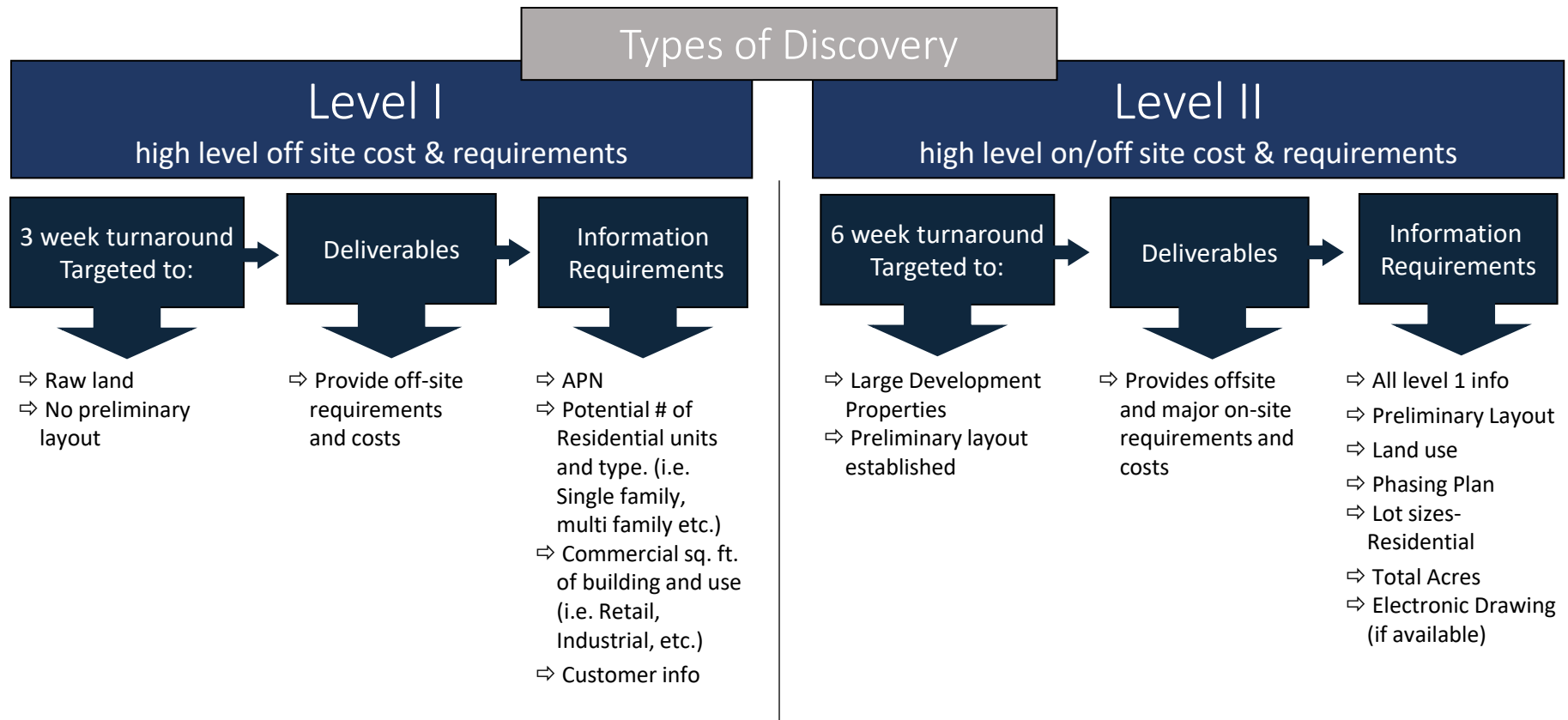
Revised January 2021

Agenda



Discovery Process (Not Real Projects)

Discovery Defined: Utility master planning including infrastructure, off-site requirements, cost estimates, project scheduling and commitments. The product is customized to the project and includes electric & gas.



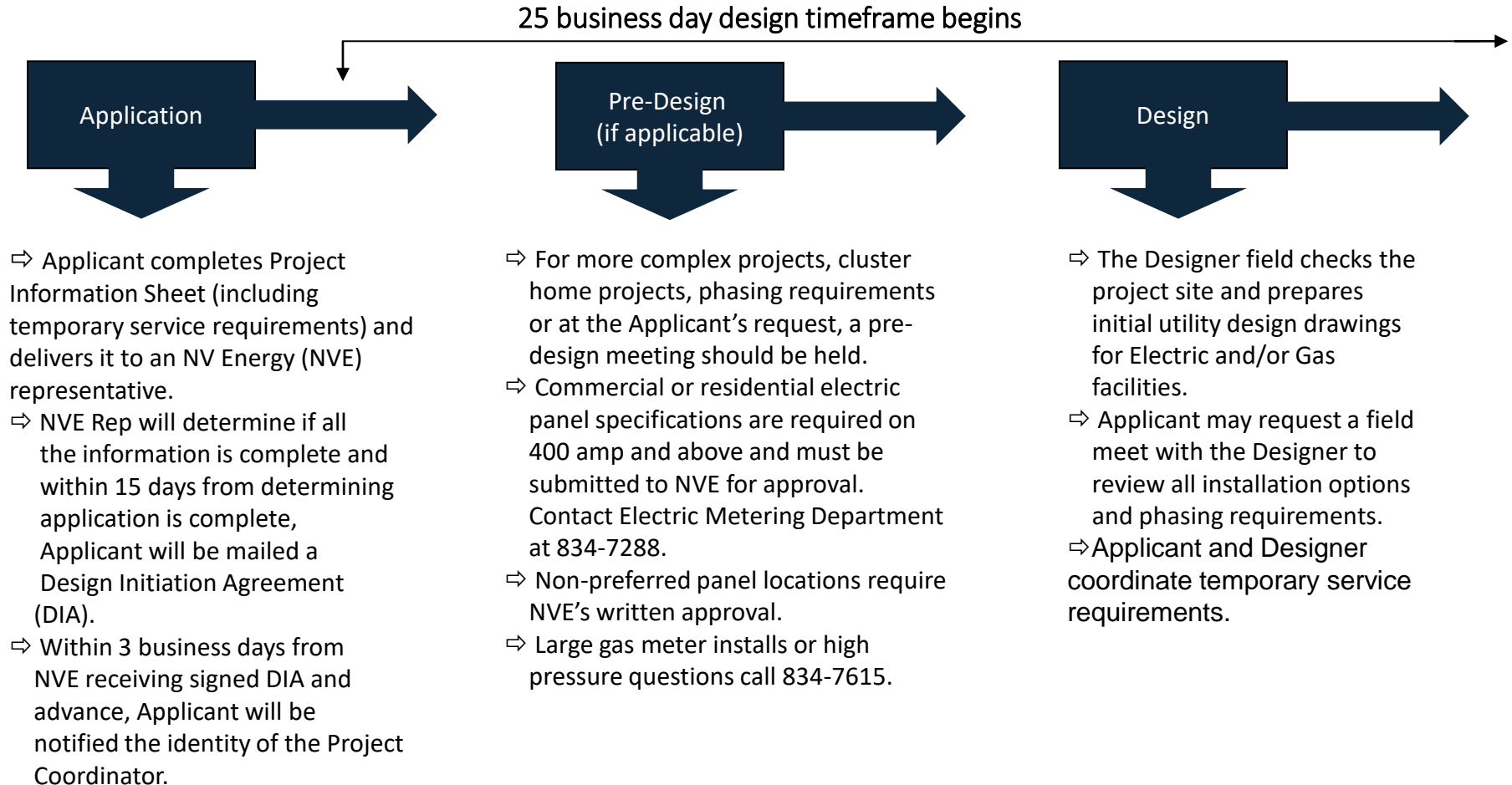
Rule 9 Standard Projects

- Electric Rule 9 was modified 8/2013 and timeframes are applied to Standard Projects. Gas Rule 9 not modified, but timeframes are followed where possible.
- Standard projects are defined as generally a line extension that is smaller than a Large Project (over \$400,000 or 1 MW) and is distinct from Abnormal Risk, Large, Master Planned Communities, relocation and removal, substation and high voltage distribution projects and does not contain a distribution feeder:
 - Distribution feeder: 3-1/0 underground primary in excess of 500', 3-1000 MCM at any length and 3 phase overhead primary conductor at any length.
- Completed New Business applications can be submitted at the following offices
 - Truckee Meadows – 1 Ohm, Reno
 - Carson City – 875 E. Long St, Carson City
 - Fallon – 346 N. Main Street, Fallon
 - Winnemucca – 500 West McArthur, Winnemucca
 - Elko – 4216 Ruby Vista Drive, Elko

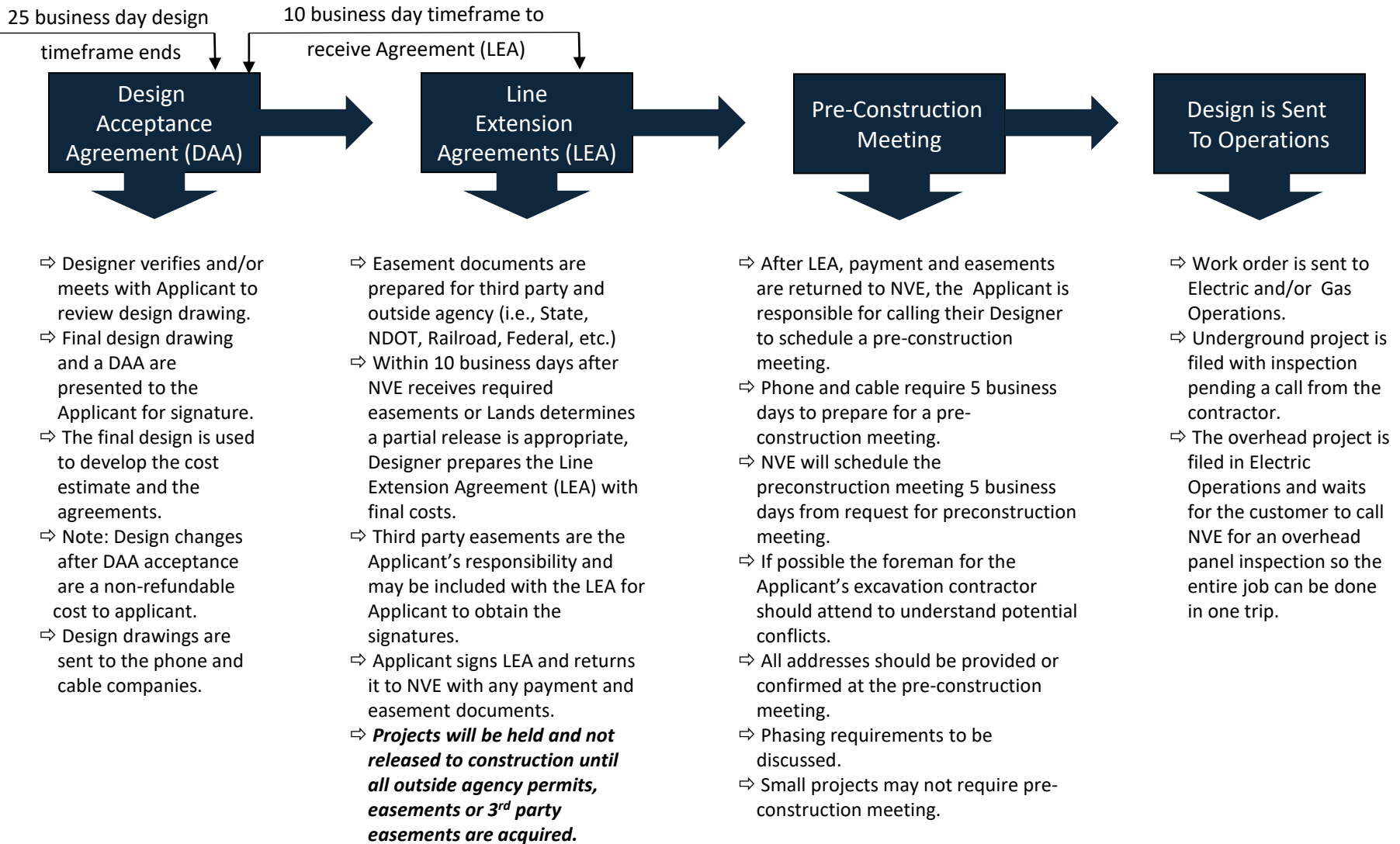
District Offices

Design Process – Standard Projects

Design Process Defined: The specific onsite utility design of Electric & Gas facilities, including the financial contract, and pre-construction meeting.

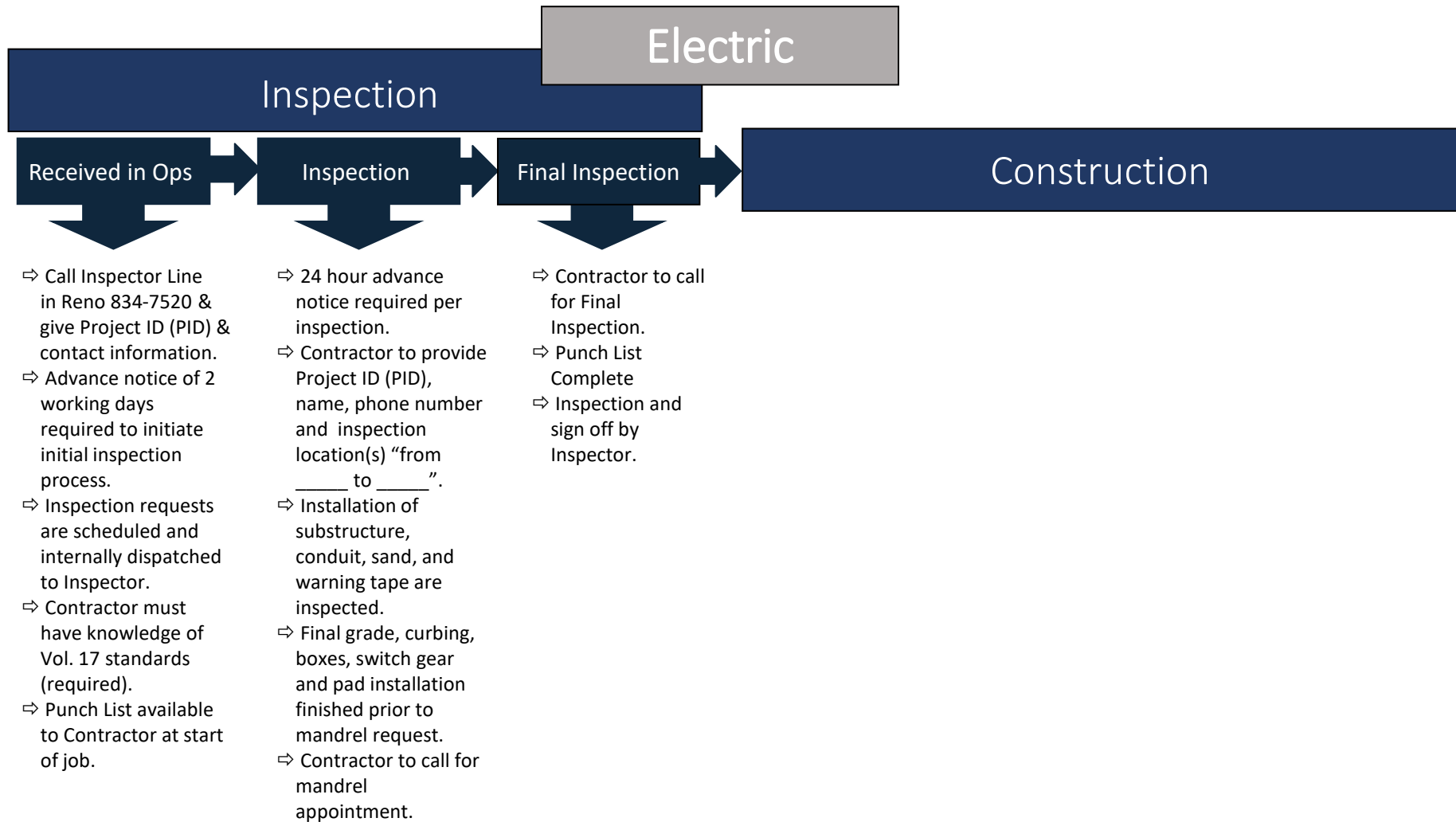


Design Process – Standard Projects



Inspection Process

Inspection Defined: Inspection of substructure installation for electric facilities.



Inspection Process

Electric

Primary Substructure Inspections

Inspections must be called in before 3:30 pm for next day inspection (excludes weekend so Friday for Monday)

Primary Conduit Process

FIELD MEET:

When your job is ready to start and you feel your job is complicated. If you request that you want to meet with the Inspector to go over the job prior to digging, we are happy to do so with a Field Meet.

PRIMARY CONDUIT, SAND & TAPE:

When you're primary trench is open and your conduit is installed, you will call in for a primary conduit sand and tape.

You will need to specify where your digging from and where your digging to, Please use identifiers on map such as vaults, transformers etc.

This process may take many inspections. When the entire job or phase is complete and before your ready to Mandrel. You will need to complete your "punch list" that was give to you at your PRECON, **this is a list of everything that must be completed prior to calling in for a Mandrel.**

Permanent grade will be established (sidewalk, curb and gutter) boxes, bollards if necessary, switch gear and transformer pad installations must be finished.

Mandrel Process

MANDREL INSPECTION:

Depending on work load these inspections are generally done in the afternoon, as they plan their day accordingly with their other inspections.

When calling in a Mandrel please specify if your Mandrel is the entire project, or if you have previously paid for phasing in the design phase please specify which phase you will be doing. Contractor must supply a Mandrel, a copy of the map, and enough manpower to complete the Mandrel process.

NOTE: This process when released by inspector, auto-populates the materials (transformers, streetlights, etc. to be reserved for construction.

When the Inspector releases the job it gets passed on to Construction where it is assigned to a crew 7-10 business days after inspection is complete. (During heavy construction season this could run out to 15 days to start construction).

Inspection Process

Electric

Residential Service Inspections

Inspections must be called in before 3:30 pm for next day inspection (excludes weekend so Friday for Monday)

Service Trench Conduit Process

FIELD MEET:

When your job is ready to start, specify the address when calling in for inspection. When applicable, if you request that you want to meet with the Inspector to go over the job prior to digging, we are happy to do so with a Field Meet.

SERVICE CONDUIT, SAND & TAPE:

When your service trench is open you will call in for a service conduit, sand and tape. Specify the service address, including building number for multi-meter panels, when calling in.

Provided the service trench and panels meet Volume 17 Standards, this process is usually pretty quick and can easily run smooth. Conduit inspections are done in the AM, and depending on work load, the Inspector may return for the sand and tape inspection in the PM.

Prior to Final Inspection, you must have final grade at panel, mule tape in conduit, address at house or metal tag for unit numbers at apartments, and panel needs to be firmly attached.

Final Inspection Process/ Meter Release

FINAL SERVICE INSPECTION:

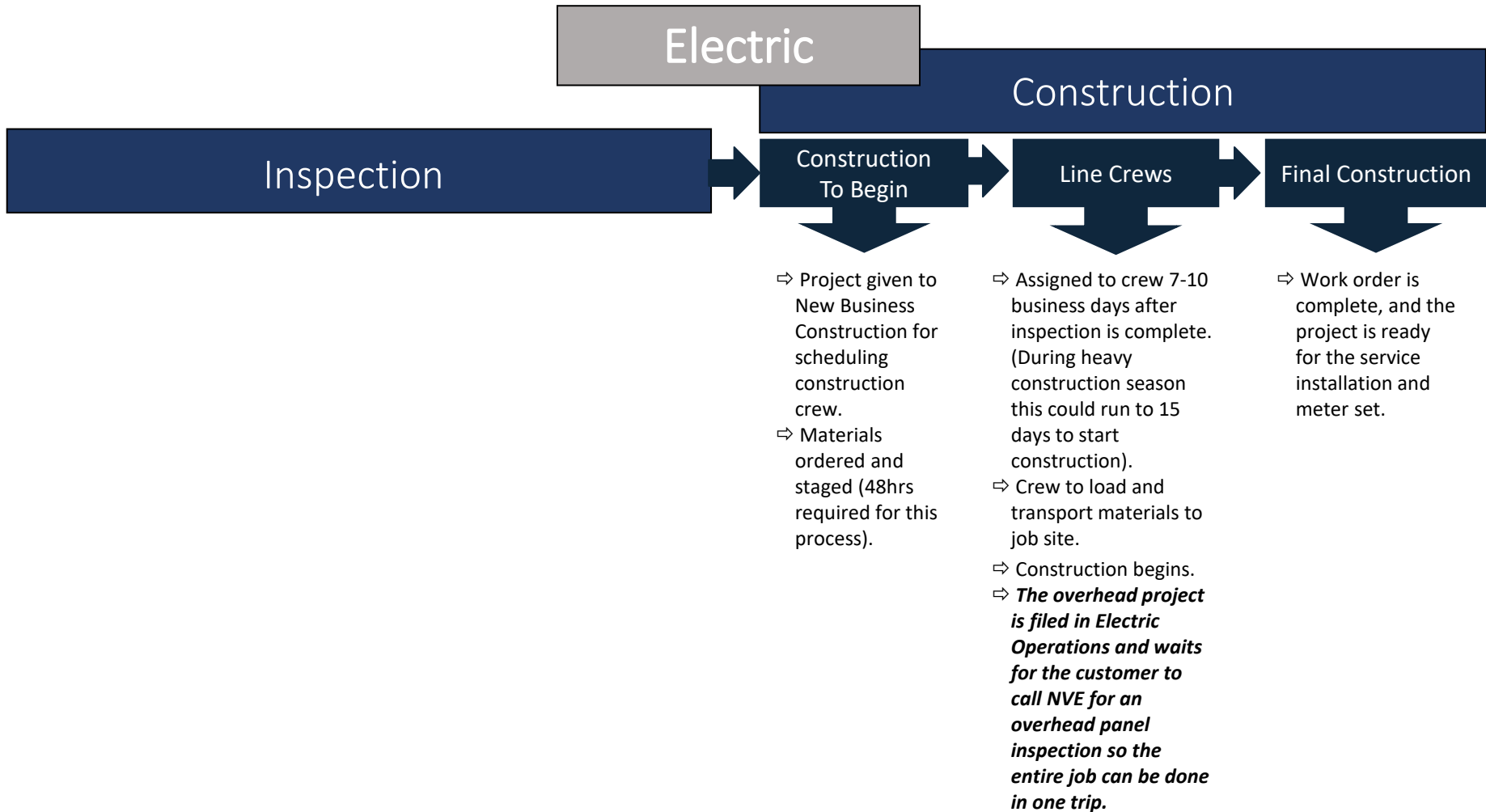
Depending on work load these inspections are generally done in the afternoon, as they plan their day accordingly with their other inspections.

NOTE: This process when released by inspector, auto-populates a meter set **ONLY IF city/county Ok's are in.** (This is customers responsibility to call the city or county)

Generally a meter set takes 48 hours. Wire size determines if a line crew is required. If so, they are scheduled 7-10 business days after inspection is complete. (During heavy construction season this could run out to 15 days to start). If Trouble Operations is installing the service, please call 775-834-7532 if you have not gotten a meter set within 48 hours.

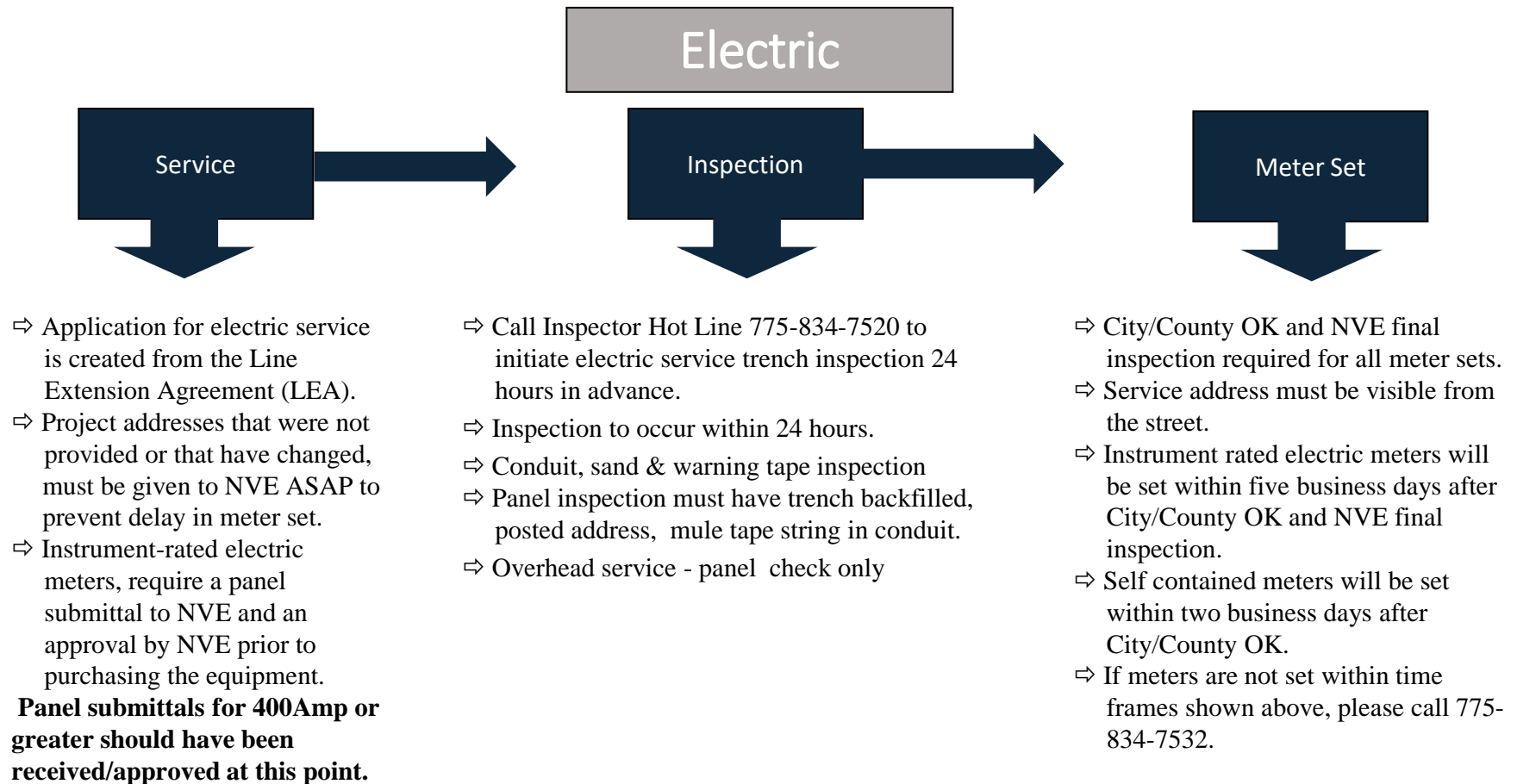
Construction Process

Construction Defined: Physical installation of facilities for electric.



Electric Meter Set Process

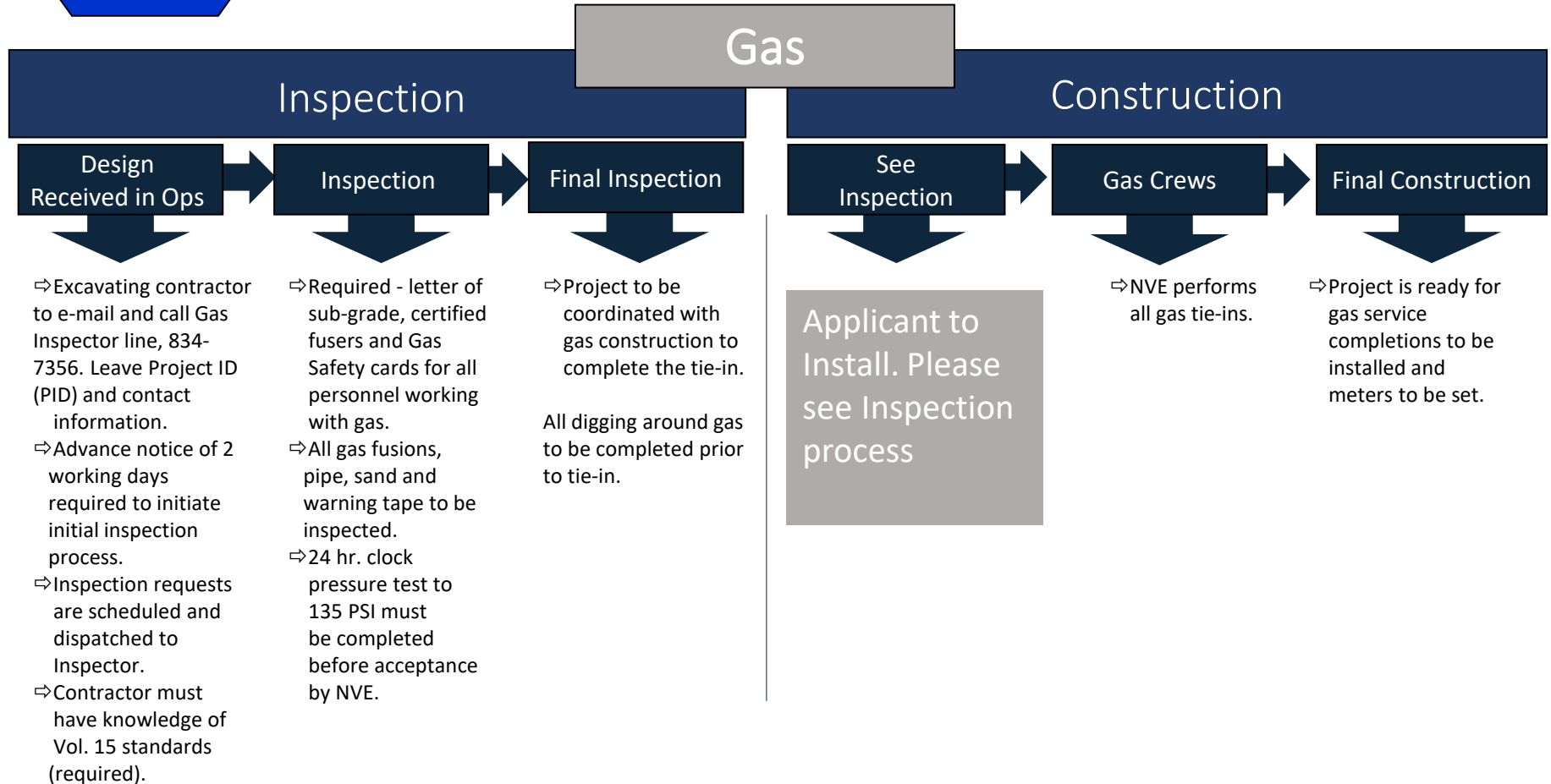
Meter Set Defined: Physical connection of utility facilities from transformer or box to panel on home/building. This process also includes the installation of Electric meters.



Inspection/ Construction Process

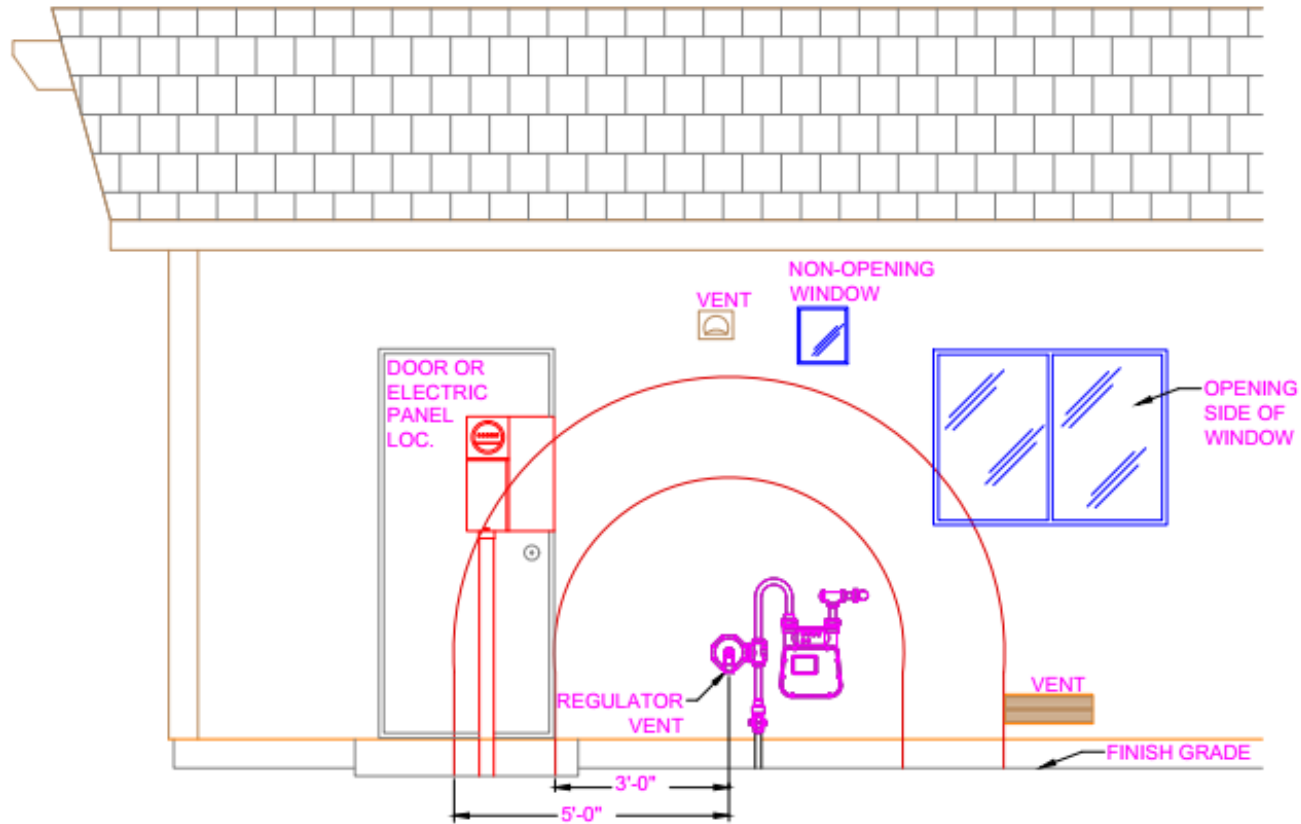
Inspection/
Construction
Gas

Inspection/Construction Defined: Inspection of and coordination of applicant installed contractors and or physical construction of facilities for Gas.



Do not dig within 30" of live gas until gas inspector is on site.

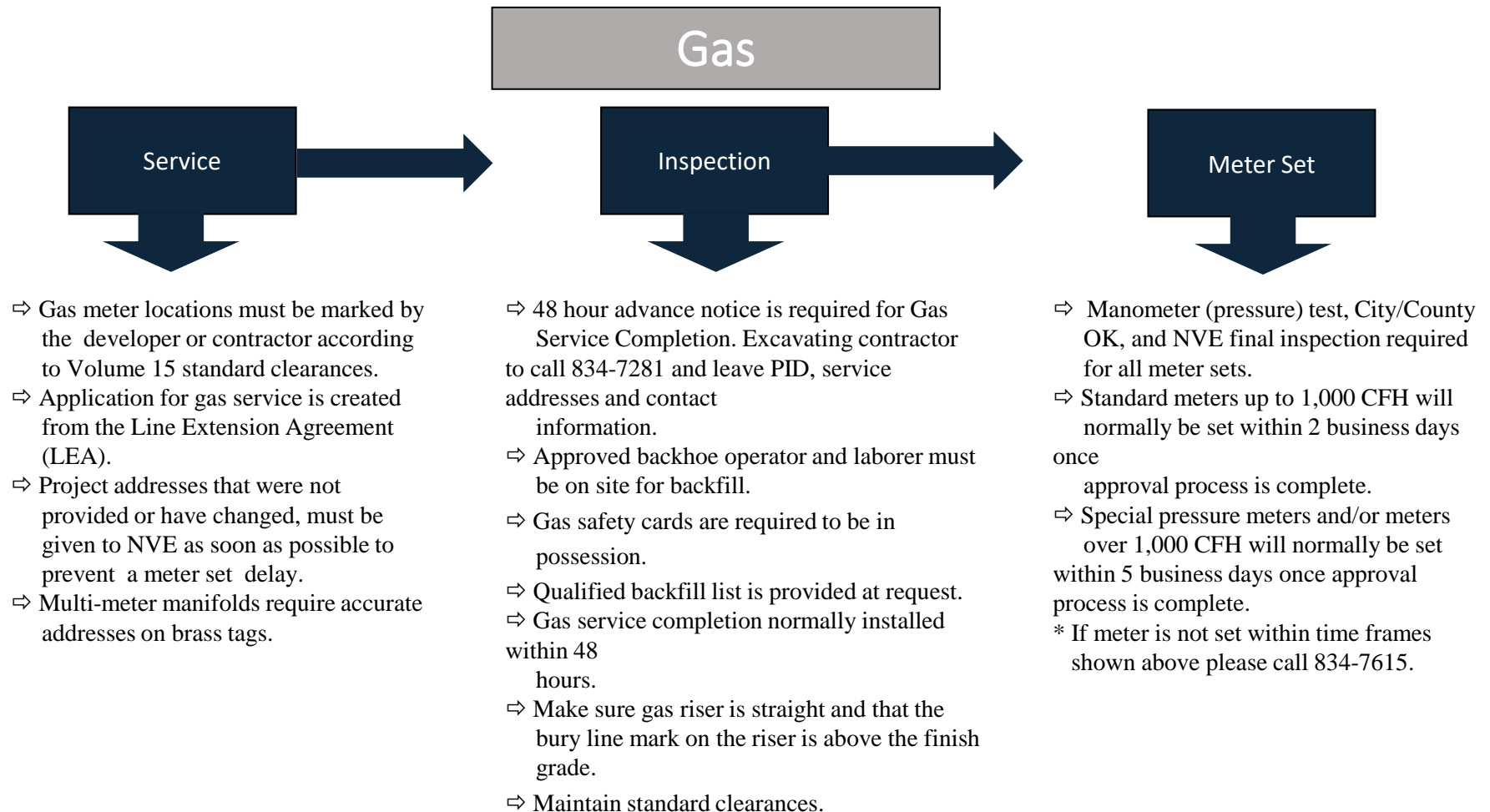
Gas Meter Clearances



THE REGULATOR VENT SHALL HAVE A MINIMUM CLEARANCE ZONE OF THREE (3) FEET FROM ANY OPENING INTO A BUILDING SUCH AS OPENING WINDOWS, DOORS, FOUNDATION VENTS, CRAWL SPACES, ELECTRIC PANELS, ELECTRIC OUTLETS, PHONE AND CATV CONDUITS, ETC., AND HAVE A MINIMUM CLEARANCE ZONE OF FIVE (5) FEET FROM POWERED AIR INTAKES (AC UNITS, SWAMP COOLERS, MAKE UP AIR VENTS, ETC.)

Service Completion & Gas Meter Set Process

Customer Owned Yard Lines are prohibited.



Truckee Meadows Operations Quick Contact

Electric	Name	Cell	Office
Trench Inspection Service Trench-by address Non-Service Trench- by Project #			834-7520
Inspection Supervisor	Kris Wines	848-3583	834-7778
Inspection Foreman	Mike Hillyer		846-9822
Inspection Scheduler	Kim Zylstra	830-1339	834-7583
Construction Supervisor	Russ Lucia	848-4215	834-7779
Construction Scheduler	Maricela Hernandez	303-4521	834-7006
Troubleman Supervisor	Jordan Bean	200-8030	834-7055
Troubleman Scheduler	Tracy Kuykendall	830-5107	834-7532
Emergency / Outage			834-4100

Gas	Name	Cell	Office
Applicant Installed Inspection			834-7356
Gas service completion			834-7281
Gas meter sets			834-7615
Foreman-Inspection	Robb Rusche	420-7967	834-7356
Inspector	Mike Kennedy	391-9233	
Inspector	Rex Mayo	846-5556	
Inspector	Kurt Welsh	846-5610	
Inspector	Tony Lewis	848-4527	
Inspector	Bret Kunkler	200-8319	
Manager, Gas Operations	Matt Brecke	233-8112	834-7071
Emergency Gas Leak			834-4100

Utility Designer Contact List – Front Desk 834-7873

TRUCKEE MEADOWS - UTILITY DESIGN CONTACT LIST

Title	NAME	EXT	MOBILE	E-MAIL
Electric/Gas – NVE Application	New Business Development	834-7873		inforeno@nvenergy.com
Electric/Gas - Director, Dist. Design - Northern Nevada	Howard, Danyale	834-7338	848-1529	Danyale.Howard@nvenergy.com
Electric/Gas - Supervisor, Dist. Design - Reno	Ginsburg, Mike	834-7766	848-3956	Mike.Ginsburg@nvenergy.com
Electric/Gas - Supervisor, Dist. Design - Reno	Powell, Toni	834-7585	813-3985	Toni.Powell@nvenergy.com
Electric/Gas – Front Desk Designer	Feroah, John	834-7324	303-4036	John.Feroah@nvenergy.com
Electric/Gas - Designer	Aguirre Rodriguez, Ciara	834-7771	240-5589	Ciara.AguirreRodriguez@nvenergy.com
Electric/Gas - Designer	Baldrige, Jessica	834-7282	230-8152	Jessica.Baldrige@nvenergy.com
Electric/Gas - Designer	Barnes, Justin	834-7116	200-5931	Justin.Barnes@nvenergy.com
Electric/Gas - Designer	Baumann, Phil	834-7772	501-2261	Phil.Baumann@nvenergy.com
Electric/Gas - Designer	Best, Trevor	834-7770	203-8494	Trevor.Best@nvenergy.com
Electric/Gas - Designer	Brown, Ray	834-7741	379-9135	Raymond.Brown@nvenergy.com
Electric/Gas - Designer	Bunch, Rebekah	834-7722	848-3602	Rebekah.Bunch@nvenergy.com
Electric/Gas - Designer	Cunningham, Jeff	834-7436	357-2296	Jeffrey.Cunningham@nvenergy.com
Electric/Gas - Designer	Duarte, Jesse	834-2961	276-2636	Jesse.Duarte@nvenergy.com
Electric/Gas - Designer	Duesing, Carrie	834-7232	846-2003	Carrie.Duesing@nvenergy.com
Electric/Gas - Designer	Fenkell, Paul	834-7219	501-2036	Paul.Fenkell@nvenergy.com
Electric/Gas - Designer	Garcia Diaz, Juan	834-7876	775-304-7851	Juan.GarciaDiaz@nvenergy.com
Electric/Gas - Designer	Gardner, Cheryl	834-7118	771-9146	Cheryl.Gardner@nvenergy.com
Electric/Gas - Designer	Kilgore, Max	834-7296	527-9452	Maxwell.Kilgore@nvenergy.com
Electric/Gas - Designer	Martini, Chris	834-7295	636-5267	Christopher.Martini@nvenergy.com
Electric/Gas - Designer	Mustain, Joelle	834-7030	843-1950	Joelle.Mustain@nvenergy.com
Electric/Gas - Designer	Newman, Jake	834-7721	636-5063	Jake.Newman@nvenergy.com
Electric/Gas - Designer	Sipaila, Tomas	834-7775	722-5561	Tomas.Sipaila@nvenergy.com
Electric/Gas - Designer	St. Jacques, Lara	834-7222	376-3709	Lara.StJacques@nvenergy.com
Electric/Gas - Designer	Stone, Denise	834-7235	544-6378	Denise.Stone@nvenergy.com

Resources

Electric - Volume 17

https://www.nvenergy.com/business/newconstruction/newconstructionN/standards/electric_standards/vol_17.cfm

Gas - Volume 15

https://www.nvenergy.com/business/newconstruction/newconstructionN/standards/gas_standards/vol_15.cfm

Our Commitment

- Discovery – 3 weeks at Level I, 6 weeks at Level II
- Design Initiation Agreement (DIA) – 15 days (complete information)
- Executed DIA to Design Acceptance Agreement (DAA) – 25 days
- DAA to Line Extension Agreement (LEA) – 10 days (providing all easements/permits obtained)
- Electric and Gas Inspection – 48 hours for initial inspection start, 24 hours for specific inspections
- Electric construction – 7 to 10 working days after final inspection (during heavy construction could be up to 15 working days)
- Electric and Gas meter sets after City/County OK and final inspections:
 - Electric self contained meter set – within 2 business days
 - Electric instrument rated meter set – within 5 business days
 - Gas standard meter up to 1,000 CFH – within 2 business days
 - Gas special pressure or meter over 1,000 CFH – within 5 business days