IID
A century of service.

NOTICE OF EXEMPTION

To: ☐ Office of Planning and Research
1400 Tenth Street, Room 121
Sacramento, CA 95814

☒ County Clerk
County of RIVERSIDE

☒ File Imperial Irrigation District
Environmental Compliance Unit

From: (Public Agency) Imperial Irrigation District

Address: P.O. Box 937
Imperial, CA 92250

Project Title: Phasor Measurement Unit Project (Project No. 200140) – Coachella Valley

Project Location - Specific: See attached project location sites and maps.

Project Location - County: RIVERSIDE

Description of Project: See attached project description

Name of Public Agency Approving Project: IMPERIAL IRRIGATION DISTRICT
Name of Person or Agency Carrying Out Project: IMPERIAL IRRIGATION DISTRICT

Exempt Status: (check one)

☐ General Rule (Public Resources Code Sections 21080(b), 21084, 21108(b), and 21152(b); California Environmental Quality Act Sec. 15061(b)(3)).
☐ Ministerial (PRC Sec. 21080(b)(1); CEQA Sec. 15268);
☐ Emergency Project (PRC Sec. 21080(b)(3); CEQA Sec. 15269(a); and/or PRC Sec. 21080(b)(4); CEQA Sec. 15269(b)(c));
☒ Categorical Exemption. State type and section number: PRC Sec. 21084; CEQA Sec.15303 (Class 3);
☐ Statutory Exemptions. State code number: PRC Sec. _____, CEQA Sec._____

Reasons why project is exempt: The project is exempt under Section 15303, titled "New Construction or Conversion of Small Structures", also known as a Class 3 exemption, it entails the construction and location of limited numbers of new, small facilities or structures; installation of small new equipment and facilities in small structures; and the conversion of existing small structures from one use to another where only minor modifications are made in the exterior of the structure.

Lead Agency IMPERIAL IRRIGATION DISTRICT

Contact Person: Donald Vargas (760) 482-3609
Area Code/Telephone/Extension

If filed by applicant:

1. Has a Notice of Exemption been filed by the public agency approving the project?
   ☒ Yes ☐ No
2. On file with Imperial Irrigation District's Environmental Compliance Unit.
   ☒ Yes ☐ No

Signature: [signature]

Title: Compliance Administrator II

Date: 05/19/2020

__X__ Signed by Lead Agency
____ Signed by Applicant

Date received for filing at OPR: N/A

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Environmental Compliance Unit

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Address: P.O. Box 937
Imperial, CA 92250

Project Title: Phasor Measurement Unit Project (Project No. 200140) – Imperial Valley

Project Location - Specific: See attached project location site descriptions and maps.

Project Location - County: IMPERIAL

Description of Project: See attached project descrition.

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Name of Person or Agency Carrying Out Project: IMPERIAL IRRIGATION DISTRICT

Exempt Status: (check one)

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Title: Compliance Administrator II

Date: 05/19/2020

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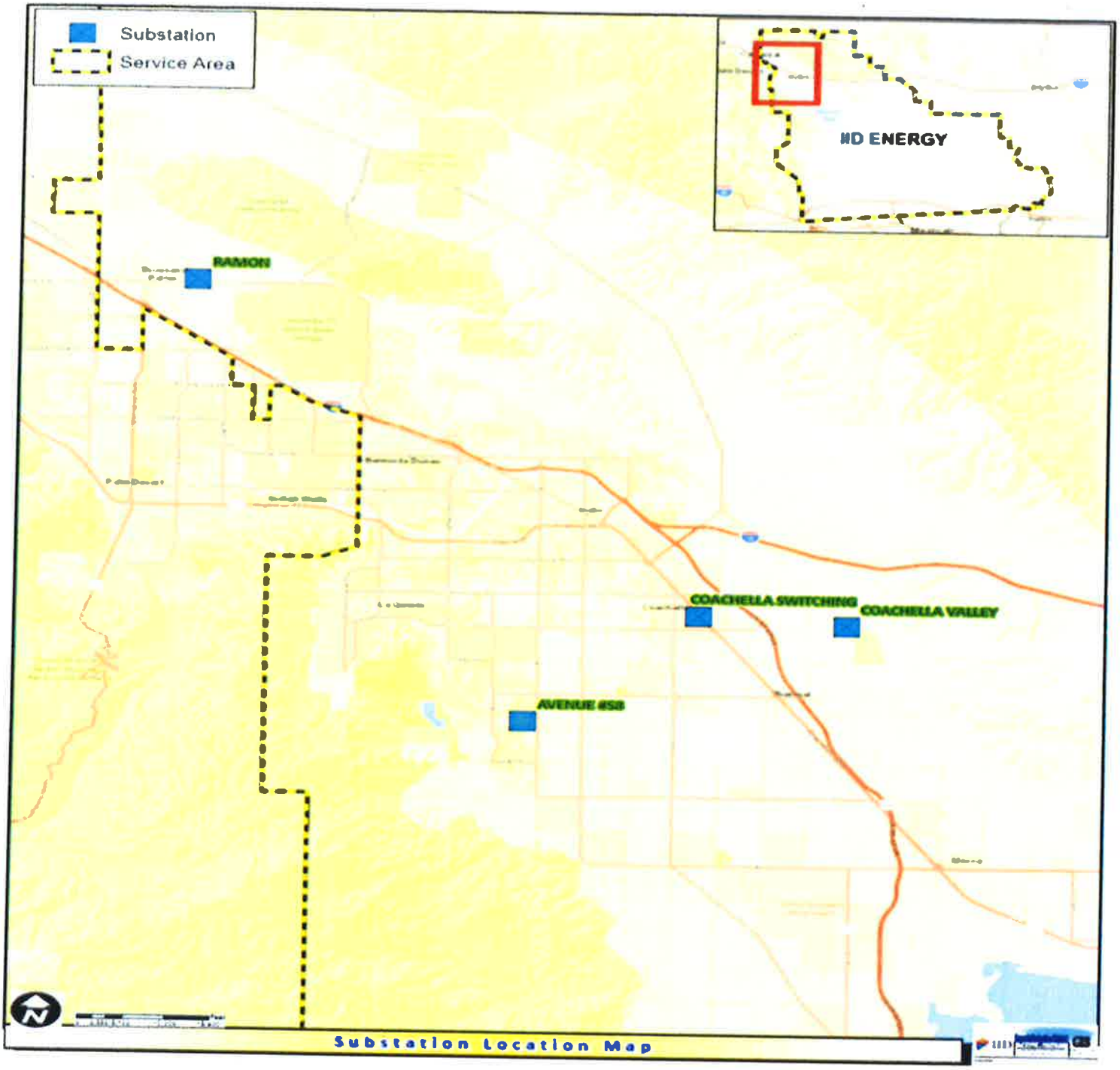
____ Signed by Applicant

Date received for filing at OPR: N/A

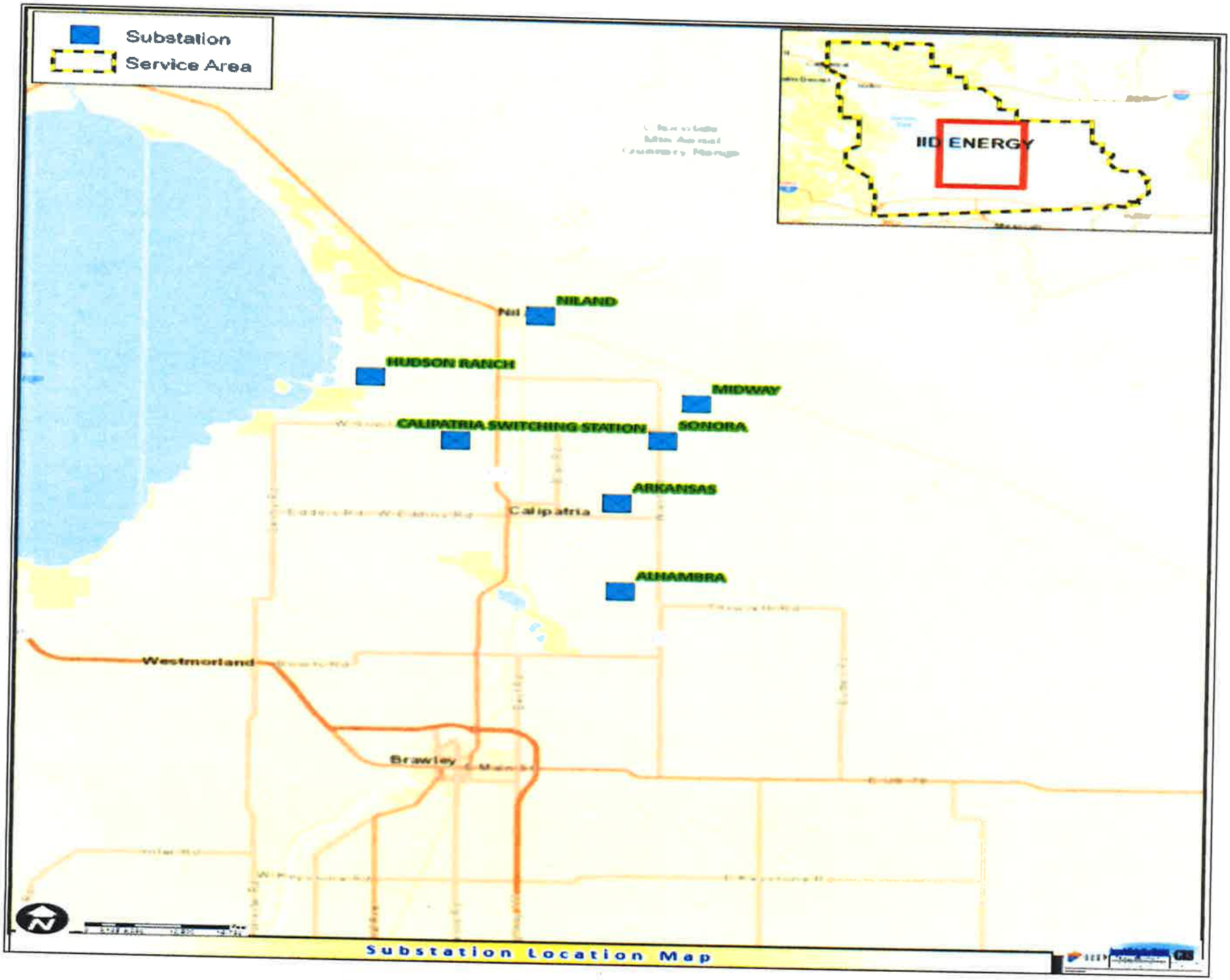
Phasor Measurement Unit Project (Project No. 200140)

Project Location Sites

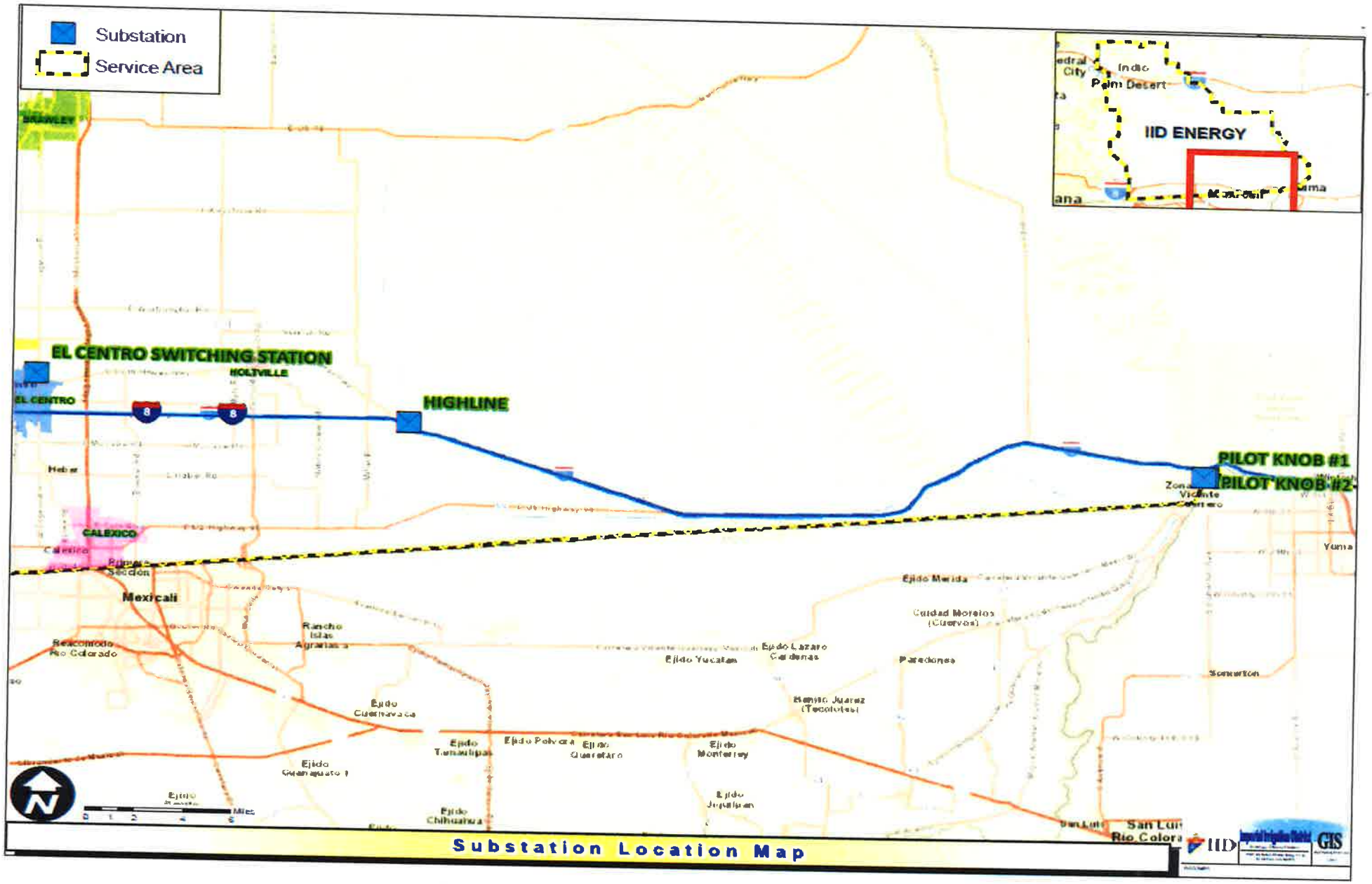
Region	Name	Location
Coachella Valley	Avenue 58 Substation	1000 feet north of Avenue 58 and 1/4 mile west of Monroe Street, southeast of La Quinta, CA
	Coachella Switching Station	Southwest corner of Highway 111 and 9th Street, Coachella, CA
	Coachella Valley Substation	Northside of Avenue 52 and 1/2 mile east of Fillmore Street, east of Coachella, CA
	Ramon Substation	Northside of Ramon Road and 2.5 miles east of Monterey Avenue, northwest of La Quinta, CA
Imperial Valley	Alhambra Substation	Northeast Corner of Quay Road and Jackson Road, southeast of Calipatria, CA
	Arkansas Substation	Northside of Young Road and 1 mile west of Wiest Road, northeast of Calipatria, CA
	Calipatria Switching Station	East Hoober Road, east of English Road, northwest of Calipatria, CA
	El Centro Switching Station	Southwest corner of Dogwood Road and Villa Road, El Centro, CA
	Highline Substation	3500 feet East of Van Der Linden Road and 1/2 a mile north of Interstate 8, east of Holtville, CA
	Hudson Ranch Substation	South of McDonald Road and 1960 feet east of Davis Road, southwest of Niland, CA
	Midway Substation	West of East Highline Canal and north of Simpson Road, northeast of Calipatria, CA
	Niland Substation	Beal Road (northside), 1 mile east of Highway 111, east of Niland, CA
	Pilot Knob Substation	1500 feet east of Andrade Road/Highway 186 and 1/2 mile south of Interstate 8, west of Winterhaven, CA
	Sonora Substation	Northeast corner of Wiest Road and East Hoober Road, 5 miles northeast of Calipatria, CA



Project Location Sites PMU Map - Coachella Valley



Project Location Sites PMU Map - Imperial Valley North



Project Location Sites PMU Map - Imperial Valley South

Phasor Measurement Unit Project (Project No. 200140)
Project Description

The Phasor Measurement Unit-TEAM system will provide real time alarms for phase angle limits and enable Transmission System Operators to detect and address voltage instability as well as assist the Transmission Planning & Engineering sections to validate and calibrate dynamic models and run transient system stability analysis. Implementing this project will allow for immediate accessible data collection. TEAM software will also allow for continuous background monitoring and reporting. Project will be located throughout IID's service territory. The project will include engineering services by Schweitzer Engineering Labs and equipment installation by IID personnel at fourteen different sites. The installation of this equipment will provide phasor measurement information to Transmission Planning & Engineering for NERC requirement MOD-33-1 steady state and dynamic model validation. On July 1, 2017, the new NERC reliability standard MOD-033 became effective with the purpose of validating system models during steady state and dynamic operations. While steady state conditions can be validated with historical data that originated as SCADA data (1 measurement every 2-6 seconds), the dynamics of system models are validated against high frequency data (30 measurements/sec or higher). The acquisition of this high frequency data is necessary to maintain compliance with this new standard. The standard requires periodical model validation, which stresses the collection of all possible PMU data. This will allow for the gathering of fault data remotely from the engineering support groups.

Examples of PMU Equipment

SEL-2240 Axion

SEL-421 Protection, Automation, and Control System

SEL-487E Transformer Protection Relay