

GENERAL SERVICES ADMINISTRATION

FEDERAL ACQUISITION SERVICE

AUTHORIZED FEDERAL SUPPLY SCHEDULE CATALOG/PRICE LIST

GSA Contract GS-07F-110CA

Special Item Numbers:

412-15	Power Distribution Units
412-17	Switchgear, Panel Boards, Switchboards, Load Centers, Metering
412-21	Electrical, Voltage, Generator Controls, Electric Motors, Motor Controllers/Centers
412-50	Ancillary Services Related to Alternative Energy Solutions and Power Distribution Equipment
412-51	Installation Site Preperation Services for Alternative Energy Solutions & Power Distribution Equipment
412-52	Power Systems Engineering Support for Alternative EnergySolutions and Power Distribution Equipment

On-line access to contract ordering information, terms and conditions, up-to- date pricing, and the option to create an electronic delivery order are available through GSA Advantage!, a menu-driven database system.

The INTERNET address for GSA Advantage! is: http://www.gsaadvantage.gov

SCHEDULE TITLE: Buildings and Building Materials/Industrial Service and Supplies

FSC Group: 4930 Lubrication and Fuel Dispensing Equipment

CONTRACT NUMBER: GS-07F-110CA **CONTRACT PERIOD:**

March 11, 2015 – March 10, 2020 (first five years only)

For more information on ordering from Federal Supply Schedules click on the GSA Schedules link at ww.gsa.gov.

CONTRACTOR:

ABB Inc. 12040 Regency Parkway, Suite 200 Cary, NC 27518-7708 Ph: 202-247-6938

http://new.abb.com/us/gov

CONTRACTOR'S ADMINISTRATION

ABB Inc.

SOURCE:

Angela Akl, Contracts Manager 1455 Pennsylvania Avenue NW

Suite 1130

Washington, DC 20004

Ph: 202-247-6938

Email: angela.akl@us.abb.com http://new.abb.com/us/gov

BUSINESS SIZE: Other than Small **Socioeconomic Indicators:** N/A

CUSTOMER INFORMATION:

1a. TABLE OF AWARDED SPECIAL ITEM NUMBERS (SINs)

SIN	DESCRIPTION
412-15	Power Distribution Units
412-17	Switchgear, Panel Boards,
Switchboard	s, Load Centers, Metering
412-21	Electrical, Voltage, Generator
Controls, Ele	ectric Motors, Motor
Controllers/C	Centers
412-50	Ancillary Services Related to
Alternative I	Energy Solutions and Power
Distribution	Equipment

412-51 Installation and Site Preparation
 Services for Alternative Energy Solutions and
 Power Distribution Equipment
 412-52 Power Systems Engineering
 Support for Alternative Energy Solutions and
 Power Distribution Equipment

1b. LOWEST PRICED MODEL NUMBER AND PRICE FOR EACH SIN:

Government Net Prices based on a unit of one, exclusive of any quantity/dollar volume, prompt payment, or any other concession affecting price, as shown in our pricing.

1c. HOURLY RATES: (Services Only)

Hourly rates for services and labor are provided. The information includes hourly rates, a description of all corresponding commercial job titles, experience, functional responsibility and education for those types of employees who will perform services.

2. MAXIMUM ORDER*:

SIN	MAXIMUM ORDER
412-15	\$150,000
412-17	\$300,000
412-21	\$200,000
412-50	\$200,000
412-51	\$200,000
412-52	\$200,000

*Ordering activities may request a price reduction at any time before placing an order, establishing a BPA, or in conjunction with the annual BPA review. However, the ordering activity shall seek a price reduction when the over or BPA exceeds the simplified acquisition threshold. Schedule contactors are not required to pass on to all schedule users a price reduction extended only to an individual ordering activity for a specific order of BPA.

3. MINIMUM ORDER: \$100

4. GEOGRAPHIC COVERAGE: Domestic, 48 States, Washington, DC

5. POINTS OF PRODUCTION: U.S.

6. DISCOUNT FROM LIST PRICES:

Actual prices can be found on the Discount Price List.

7. QUANTITY DISCOUNTS: None

8. PROMPT PAYMENT TERMS: Net 30 days. Information for Ordering Offices: Prompt Payment terms cannot be negotiated out of the contractual agreement in exchange for other concessions.

9a. Government purchase cards are accepted at or below the micro-purchase threshold.

9b. Government purchase cards are accepted above the micro-purchase threshold. Contact Contractor for limit.

10. FOREIGN ITEMS: See Price list for Country of Origin for each individual product. SIN 412-15 USA SIN 412-17 USA SIN 412-21 USA, France, Germany, Sweden, Finland

11a. TIME OF DELIVERY: Shipped 30-90 days after receipt of order

11b. EXPEDITED DELIVERY: Shipped 30-90 days after receipt of order

11c. OVERNIGHT AND 2-DAY DELIVERY: None offered

11d. URGENT REQUIREMENTS:

Customers are encouraged to contact the contractor for the purpose of requesting accelerated delivery.

12. F.O.B. POINT: Origin.

13a. ORDERING ADDRESSES: See below for ordering addresses by SIN.

SIN 412-15 POWER DISTRIBUTION UNITS Ted Self 655 Century Point, Lake Mary, Florida 32746 Ph: 407-732-2785 Ted.G.Self@us.abb.com

SIN 412-17 SWITCHGEAR, PANEL BOARDS, SWITCHBOARDS, LOAD CENTERS 655 Century Point, Lake Mary, Florida 32746 Ph: 407-732-2150

SIN 412-21 ELECTRICAL, VOLTAGE, GEN CONTROLS, ELECTRIC MOTORS, MOTOR Control and LV Products 8155 T and B Boulevard Memphis, TN 38125 Ph: 940-232-8221

Relays and Test Switches
Paula A. Ortiz
4300 Coral Ridge Drive
Coral Springs, Florida 33065
Ph: 954-825-0673
Paula.A.Ortiz@us.abb.com

SINS 412-50, 412-51, 412-52 Labor and Services handled by each quoting ABB office.

13b. ORDERING PROCEDURES: For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPAs), are found in FAR 8.405-3.

14. PAYMENT ADDRESS:

J.P. Morgan Chase Attn: ABB Box 88868 131 S. Dearborn Street Chicago, IL 60603-5517 Ph: 312.541.2206

15. WARRANTY PROVISION: Standard Commercial Warranty. Customer should contact contractor for a copy of the warranty.

16. EXPORT PACKING CHARGES: None

17. TERMS AND CONDITIONS OF GOVERNMENTPURCHASE CARD ACCEPTANCE: None

18. TERMS AND CONDITIONS OF RENTAL, MAINTENANCE, AND REPAIR (IF PAPLICABLE): N/A

19. TERMS AND CONDITIONS OF INSTALLATION (IF APPLICABLE): N/A

20. TERMS AND CONDITIONS OF REPAIR PARTS INDICATING DATE OF PARTS PRICE LISTS AND DISCOUNTS FROM LIST PRICES (IF APPLICABLE): N/A

20a. TERMS AND CONDITIONS FOR ANY OTHER SERVICES (IF APPLICABLE): N/A

21. LIST OF SERVICE AND DISTRIBUTION POINTS (IF APPLICABLE): N/A

22. LIST OF PARTICIPATING DEALERS (IF APPLICABLE): N/A

23. PRECENTIVE MAINTENANCE (IF APPLICABLE): N/A

24a. SPECIAL ATTRIBUTES SUCH AS ENVIRONMENTAL ATTRIBUTES (e.g. recycled content, energy efficiency, and/or reduced pollutants): N/A

24b. SECTION 508 COMPLIANCE FOR ELECTRONIC AND INFORMATION TECHNOLOGY (EIT): as applicable

25. DUNS NUMBER: 808229041

26. NOTIFICATION REGARDING REGISTRATION IN SYSTEM FOR AWARD MANAGEMENT (SAM): Contractor has an Active Registration in the SAM database.

LABOR CATEGORIES POSITION DESCRIPTIONS

Transformer Services, Class I – Service Engineer or Technical Specialist provides advisory assistance, installation, inspection, commissioning, testing, troubleshooting, start up, engineering studies, maintenance and repair services of electrical transformers, load tap changers, and related equipment. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel.

Transformer Services, Class II – Lead Service Technician performs installation, inspection, commissioning, testing, troubleshooting, start up, maintenance and repair services of electrical transformers and related equipment.

Transformer Services, Class III – Service Technician performs installation, inspection, commissioning, testing, troubleshooting, start up, maintenance and repair services of electrical transformers and related equipment. Works under the supervision of a Class I or II engineer or technician.

MV Electrical Services, Class I – Service engineer or Technical Specialist provides advisory assistance, installation, inspection, commissioning, testing, troubleshooting, start up, engineering studies, maintenance and repair services for a wide variety of medium voltage electrical equipment, including but not limited to: circuit breakers, switchgear, disconnect switches, protection and control relay systems, substation, distribution, and automation equipment. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel.

MV Electrical Services, Class II – Lead Service Technician performs installation, inspection, commissioning, testing,

troubleshooting, start up, maintenance and repair services for a wide variety of medium voltage electrical equipment, including but not limited to: circuit breakers, switchgear, disconnect switches, protection and control relay systems, substation, distribution and automation equipment.

MV Electrical Services, Class III – Service Technician performs installation, inspection, commissioning, testing, troubleshooting, start up, maintenance and repair services for a wide variety of medium voltage electrical equipment, including but not limited to: circuit breakers, switchgear, disconnect switches, protection and control relay systems, substation, distribution and automation equipment. Works under the supervision of a Class I or II engineer or technician.

Transformer oil processing with oil processing trailer- Transformer oil processing trailer for draining, filtering, dehydrating, and degasifying transformer oil. Requires additional line items for crew of 4, at least 2 of which must be ABB, 2 can be customer personnel. 8 hour minimum. Requires mobilization line item charge. Customer to provide power or on-site generator with fuel.

Mobilization and Demobilization of oil processing trailer - Preparation and driving of the oil processing trailer from ABB Facility to the customer work site. Applied at the beginning and end of the transformer oil processing work.

Mobilization and Demobilization of personnel - Preparation time for personnel prior to arriving at customer work site. Applied at the beginning and end of the electrical service work on a per person basis.

POSITION QUALIFICATIONS

Transformer Services, Class I – Service Engineer or Technical Specialist BS (4 yr.) degree in engineering. Minimum ten years experience. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. OSHA Safety training.

Transformer Services, Class II – Lead Service Technician two year college degree. Minimum four years experience. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. OSHA Safety training.

Transformer Services, Class III – Service Technician Minimum one year of experience. The service technician has specialized factory training and experience. This person performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. OSHA Safety training.

MV Electrical Services, Class I – Service engineer or Technical Specialist BS (4 yr.) degree in engineering. Minimum ten years experience. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is

required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. OSHA Safety training.

MV Electrical Services, Class II – Service Technician Two year college degree. Minimum four years experience. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. OSHA Safety training.



LABOR PRICING ABB Labor Rates Based on Commerical Price List May 2015 ISSUE e.g. Hour. PRICE OFFERED SIN(s) SERVICEPROPOSED MIN YEARS Task, Sq TO GSA MINIMUM EDUCATION/ CERTIFICATION LEVEL ft) (including IFF) SIN 412-50 Ancillary Service Related to Alternative Energy Solutions and Power Distribution Equipment BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one Transformer Services. of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for Class I - Service Engineer or Technical special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of 412-50 Specialist. customer personnel. 281.09 10 years Hour Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person Transformer Services, an act as a consultant for customer's personnel with respect to correct installation, testing, Class II - Lead Service maintenance, or service requirements consistent with ABB guidelines. This Class II labor category 412-50 Technician s a lower skill level than Class I. Hour 187.02 4 years The service technician has specialized factory training and experience. This person works under Transformer Services, the supervision of a Class I or II labor category and performs installation, testing, maintenance, or Class III - Service service requirements consistent with ABB guidelines. This Class III labor category is a lower skill 412-50 Technician level than Class I or II. 149.61 BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of Transformer Services, 412-50 Class I, Overtime Rate customer personnel. 10 years Hour 421.64 Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, Transformer Services, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category 412-50 Class II, Overtime Rate s a lower skill level than Class I. Hour 281.09 4 years Transformer Services, The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or Class III - Service Technician, Overtime ervice requirements consistent with ABB guidelines. This Class III labor category is a lower skill 412-50 Rate level than Class I or II. 1 year Hour 226.69 BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one yes of college. The service engineer or technical specialist has specialized educational and factory Transformer Services, training and experience in design, assembly, installation, and testing. This person is required for Class I, Sunday and special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of 412-50 Holiday Hourly Rate Hour customer personnel. 10 years 562.19 Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person Transformer Services, can act as a consultant for customer's personnel with respect to correct installation, testing, Class II, Sunday and naintenance, or service requirements consistent with ABB guidelines. This Class II labor category 412-50 Holiday Hourly Rate 376.30 4 years Hour The service technician has specialized factory training and experience. This person works under Transformer Services, the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill Class III, Sunday and 412-50 Holiday Hourly Rate evel than Class I or II. Hour 299.23 1 year Transformer Services. Emergency call-out Surcharge for Emergency (non-scheduled) on-site service. Add to normal hourly rates. Surcharge Hour 25% surcharge

	MV Electrical Services,	BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory				
	Class I - Service	training and experience in design, assembly, installation, and testing. This person is required for				
412-50	Engineer or Technical Specialist	special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel.	10 years	Hour	\$ 3	209.69
		Two year college degree. Two years of experience can be considered equivalent to one year of	10) 0413	11041	Ψ .	207.07
	MV Electrical Services,	college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing,				
	Class II – Lead Service	maintenance, or service requirements consistent with ABB guidelines. This Class II labor category				
412-50	Technician	is a lower skill level than Class I. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year	4 years	Hour	\$	172.28
		of college. The service engineer or technical specialist has specialized educational and factory				
	MV Electrical Services, Class I, Overtime Hourly	training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of				
412-50	Rate	customer personnel.	10 years	Hour	\$	314.53
		Two year college degree. Two years of experience can be considered equivalent to one year of				
	MV Electrical Services,	college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing,				
412-50	Class II, Overtime Hourly Rate	maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I.		١		250.42
412-30	Rate	BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year	4 years	Hour	3 .	258.42
	MATER AT 10	of college. The service engineer or technical specialist has specialized educational and factory				
	MV Electrical Services, Class I, Sunday and	training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of				
412-50	Holiday Hourly Rate	customer personnel.	10 years	Hour	\$ 4	419.37
		Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person				
	MV Electrical Services,	can act as a consultant for customer's personnel with respect to correct installation, testing,				
412-50	Class II, Sunday and Holiday Hourly Rate	maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I.	4 years	Hour	s :	344.57
	MV Electrical Services,		1) 0415	11041		511.57
412-50	Emergency Call-out Hourly Rate	Surcharge for Emergency (non-scheduled) on-site service. Add to hourly rates.	Avoore	Hour	\$ 2	267.40
1.2.50		Two year college degree. Two years of experience can be considered equivalent to one year of	4 years	Hour	Φ.	267.49
	MV Electrical Services,	college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing,				
	Emergency Call-out	maintenance, or service requirements consistent with ABB guidelines. This Class II labor category				
412-50	Overtime Hourly Rate	is a lower skill level than Class I.	4 years	Hour	\$ 4	403.50
	MV Electrical Services,	Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person				
	Emergency Call-out	can act as a consultant for customer's personnel with respect to correct installation, testing,				
412-50	Sunday & Holiday Hourly Rate	maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I.	4 years	Hour	\$	534.98
CTD 1 44 0 F4	<u> </u>				*	
SIN 412-51	Installation and Si	te Preparation Services for Alternative Energy Solutions and Power Dis	tribution Equ	ipment		
	Transformer Services,	BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory				
	Class I – Service	training and experience in design, assembly, installation, and testing. This person is required for				
412-51	Engineer or Technical	special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of				
			10 years	Hour	s	281 09
	Specialist.	customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of	10 years	Hour	\$ 2	281.09
	Specialist.	customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person	10 years	Hour	\$ 2	281.09
	Transformer Services, Class II – Lead Service	customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category				
412-51	Specialist. Transformer Services,	customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I.	10 years	Hour		281.09 187.02
	Transformer Services, Class II – Lead Service	customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or				
412-51	Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service	customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill	4 years	Hour	\$	187.02
	Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services,	customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II.			\$	
412-51	Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service	customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill	4 years	Hour	\$	187.02
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412-51	Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service	customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory	4 years	Hour	\$	187.02
412-51	Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service Technician Transformer Services,	customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of	4 years	Hour Hour	\$	187.02 149.61
412-51	Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service Technician Transformer Services,	customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel.	4 years	Hour Hour	\$	187.02 149.61
412-51 412-51 412-51	Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service Technician Transformer Services, Class I, Overtime Rate Transformer Services,	customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category	4 years 1 year 10 years	Hour Hour	s :	187.02 149.61 421.64
412-51	Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service Technician Transformer Services, Class I, Overtime Rate	customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing,	4 years	Hour Hour	s :	187.02 149.61
412-51 412-51 412-51	Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service Technician Transformer Services, Class I, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class III – Services, Class III – Services, Class III – Services	customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or	4 years 1 year 10 years	Hour Hour	s :	187.02 149.61 421.64
412-51 412-51 412-51	Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service Technician Transformer Services, Class I, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class II, Overtime Rate	customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under	4 years 1 year 10 years	Hour Hour	s	187.02 149.61 421.64
412-51 412-51 412-51	Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service Technician Transformer Services, Class I, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class II – Service Technician, Overtime	customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or III. BS (4 yr.) degree in engineering. Two years of	4 years 1 year 10 years	Hour Hour	s	1187.02 1149.61 421.64
412-51 412-51 412-51	Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service Technician Transformer Services, Class I, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class III – Service Technician, Overtime Rate	customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. Th	4 years 1 year 10 years	Hour Hour	s	1187.02 1149.61 421.64
412-51 412-51 412-51 412-51	Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service Technician Transformer Services, Class I, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class II, Service Technician, Overtime Rate Transformer Services, Class I, Sunday and	customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. Th	4 years 1 year 10 years 4 years	Hour Hour Hour	s :	187.02 149.61 421.64 281.09
412-51 412-51 412-51	Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service Technician Transformer Services, Class I, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class III – Service Technician, Overtime Rate Transformer Services, Transformer Services, Class III – Service	customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. Th	4 years 1 year 10 years	Hour Hour	s :	1187.02 1149.61 421.64
412-51 412-51 412-51 412-51	Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service Technician Transformer Services, Class I, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class III – Service Transformer Services, Class I, Sunday and Holiday Hourly Rate	customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. Th	4 years 1 year 10 years 4 years	Hour Hour Hour	s :	187.02 149.61 421.64 281.09
412-51 412-51 412-51 412-51	Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service Technician Transformer Services, Class I, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class III – Service Technician, Overtime Rate Transformer Services, Class III – Service Technician, Overtime Transformer Services, Class I, Sunday and Holiday Hourly Rate Transformer Services,	customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. Th	4 years 1 year 10 years 4 years	Hour Hour Hour	s :	187.02 149.61 421.64 281.09
412-51 412-51 412-51 412-51	Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service Technician Transformer Services, Class I, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class III – Service Transformer Services, Class I, Sunday and Holiday Hourly Rate	customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guideli	4 years 1 year 10 years 4 years	Hour Hour Hour	\$ \$	187.02 149.61 421.64 281.09
412-51 412-51 412-51 412-51	Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service Technician Transformer Services, Class I, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class III – Service Technician, Overtime Rate Transformer Services, Class I, Sunday and Holiday Hourly Rate Transformer Services, Class II, Sunday and Holiday Hourly Rate	customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The serv	1 year 10 years 4 years 1 year	Hour Hour Hour	\$ \$	1149.61 149.61 421.64 2281.09
412-51 412-51 412-51 412-51 412-51	Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service Technician Transformer Services, Class I, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class III – Service Technician, Overtime Transformer Services, Class III – Service Technician, Overtime Transformer Services, Class I, Sunday and Holiday Hourly Rate Transformer Services, Class II, Sunday and Holiday Hourly Rate Transformer Services, Class III, Sunday and Transformer Services, Class III, Sunday and	customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The serv	1 years 10 years 4 years 1 year 10 years 4 years	Hour Hour Hour	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1149.61 421.64 4226.69 562.19
412-51 412-51 412-51 412-51	Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service Technician Transformer Services, Class I, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class III – Service Technician, Overtime Rate Transformer Services, Class I, Sunday and Holiday Hourly Rate Transformer Services, Class II, Sunday and Holiday Hourly Rate Transformer Services, Class II, Sunday and Holiday Hourly Rate	customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The serv	1 year 10 years 4 years 1 year	Hour Hour Hour	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1149.61 149.61 421.64 2281.09
412-51 412-51 412-51 412-51 412-51 412-51	Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service Technician Transformer Services, Class II, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class III – Service Technician, Overtime Rate Transformer Services, Class III – Service Technician, Overtime Rate Transformer Services, Class II, Sunday and Holiday Hourly Rate Transformer Services, Class III, Sunday and Holiday Hourly Rate Transformer Services, Class III, Sunday and Holiday Hourly Rate Transformer Services, Class III, Sunday and Holiday Hourly Rate Transformer Services, Class III, Sunday and Holiday Hourly Rate Transformer Services, Emergency call-out	customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. Th	1 years 10 years 4 years 1 year 10 years 4 years	Hour Hour Hour Hour	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	187.02 149.61 421.64 2281.09 226.69 562.19
412-51 412-51 412-51 412-51 412-51	Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service Technician Transformer Services, Class II, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class III – Service Technician, Overtime Rate Transformer Services, Class I, Sunday and Holiday Hourly Rate Transformer Services, Class II, Sunday and Holiday Hourly Rate Transformer Services, Class III, Sunday and Holiday Hourly Rate Transformer Services, Class III, Sunday and Holiday Hourly Rate Transformer Services, Class III, Sunday and Holiday Hourly Rate Transformer Services, Transformer Services, Class III, Sunday and Transformer Services, Transformer Services,	customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The serv	1 years 10 years 4 years 1 year 10 years 4 years	Hour Hour Hour	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	187.02 149.61 421.64 2281.09 226.69 562.19

412-51	MV Electrical Services, Class I - Service Engineer or Technical Specialist	BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel.	10 years	Hour	\$	209.69
	MV Electrical Services, Class II – Lead Service	Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category				
412-51	Technician	is a lower skill level than Class I.	4 years	Hour	\$	172.28
412-51	MV Electrical Services, Class I, Overtime Hourly Rate	BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel.	10 years	Hour	\$	314.53
412-51	MV Electrical Services, Class II, Overtime Hourly Rate	Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I.	4 years	Hour	\$	258.42
412-51	MV Electrical Services, Class I, Sunday and Holiday Hourly Rate	BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel.	10 years	Hour	\$	419.37
412-51	MV Electrical Services, Class II, Sunday and Holiday Hourly Rate	Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I.	4 years	Hour	\$	344.57
	MV Electrical Services, Emergency Call-out		. j cuto	22001		5.11.51
412-51	Hourly Rate	Surcharge for Emergency (non-scheduled) on-site service. Add to hourly rates.	4 years	Hour	\$	267.49
412-51	MV Electrical Services, Emergency Call-out Overtime Hourly Rate	Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I.	4 years	Hour	\$	403.50
41231	MV Electrical Services, Emergency Call-out	Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing,	4 years	Tiour	Ψ	403.30
412-51	Sunday & Holiday Hourly Rate	maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I.	4 years	Hour	s	534.98
	-				φ	334.76
SIN 412-52	Power Systems En	gineering Support for Alternative Energy Solutions and Power Distribut I	ion Equipme	nt		
412-52	Transformer Services, Class I – Service Engineer or Technical Specialist.	BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel.	10 years	Hour	\$	281.09
	Class I – Service Engineer or Technical Specialist. Transformer Services, Class II – Lead Service	of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category	10 years		\$	
412-52 412-52	Class I – Service Engineer or Technical Specialist. Transformer Services,	of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing,		Hour Hour Hour		281.09 187.02
412-52	Class I – Service Engineer or Technical Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service	of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill	10 years 4 years	Hour	\$	187.02
412-52	Class I – Service Engineer or Technical Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service Technician Transformer Services, Class III – Service Technician	of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing,	10 years 4 years	Hour	\$	187.02 149.61
412-52	Class I – Service Engineer or Technical Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service Technician Transformer Services, Class I, Overtime Rate Transformer Services, Class II, Overtime Rate	of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I.	10 years 4 years	Hour	\$	187.02 149.61
412-52 412-52 412-52	Class I – Service Engineer or Technical Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service Technician Transformer Services, Class I, Overtime Rate	of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with ABB guidelines. This Class II labor category	10 years 4 years 1 year	Hour Hour	\$	187.02 149.61 421.64
412-52 412-52 412-52	Class I – Service Engineer or Technical Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service Technician Transformer Services, Class I, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class III – Service Technician, Overtime	of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor categ	10 years 4 years 1 year 10 years 4 years	Hour Hour	\$ \$	187.02 149.61 421.64 281.09
412-52 412-52 412-52	Class I – Service Engineer or Technical Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service Technician Transformer Services, Class I, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class II, Overtime Rate	of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I.	10 years 4 years 1 year 10 years 4 years	Hour Hour	\$	187.02 149.61 421.64
412-52 412-52 412-52	Class I – Service Engineer or Technical Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service Technician Transformer Services, Class I, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class III – Service Technician, Overtime	of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor categ	10 years 4 years 1 year 10 years 4 years	Hour Hour	\$ \$	187.02 149.61 421.64 281.09
412-52 412-52 412-52 412-52	Class I – Service Engineer or Technical Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service Technician Transformer Services, Class I, Overtime Rate Transformer Services, Class I, Overtime Rate Transformer Services, Class III – Service Technician, Overtime Rate Transformer Services, Class III – Service Technician, Overtime Rate Transformer Services, Class I, Sunday and Holiday Hourly Rate Transformer Services,	of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor categ	10 years 4 years 1 year 10 years 4 years	Hour Hour Hour	\$ \$ \$	187.02 149.61 421.64 281.09
412-52 412-52 412-52 412-52	Class I – Service Engineer or Technical Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service Technician Transformer Services, Class I, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class III – Service Technician, Overtime Rate Transformer Services, Class II, Sunday and Holiday Hourly Rate	of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor categ	10 years 4 years 1 year 10 years 4 years	Hour Hour Hour	\$ \$ \$	187.02 149.61 421.64 281.09
412-52 412-52 412-52 412-52 412-52	Class I – Service Engineer or Technical Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service Technician Transformer Services, Class I, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class III – Service Technician, Overtime Rate Transformer Services, Class III – Service Technician, Overtime Rate Transformer Services, Class I, Sunday and Holiday Hourly Rate Transformer Services, Class I, Sunday and	of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor categ	10 years 4 years 1 year 10 years 4 years 1 year 10 years	Hour Hour Hour	s s	187.02 149.61 421.64 281.09 226.69
412-52 412-52 412-52 412-52 412-52 412-52	Class I – Service Engineer or Technical Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service Technician Transformer Services, Class I, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class III – Service Technician, Overtime Rate Transformer Services, Class III – Service Technician, Overtime Rate Transformer Services, Class I, Sunday and Holiday Hourly Rate Transformer Services, Class II, Sunday and Holiday Hourly Rate Transformer Services, Class III, Sunday and Holiday Hourly Rate Transformer Services, Class III, Sunday and Holiday Hourly Rate Transformer Services, Class III, Sunday and Transformer Services, Class III, Sunday and Transformer Services, Transformer Se	of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor categ	10 years 4 years 1 year 10 years 4 years 1 year	Hour Hour Hour	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	187.02 149.61 421.64 281.09 226.69 562.19
412-52 412-52 412-52 412-52 412-52 412-52	Class I – Service Engineer or Technical Specialist. Transformer Services, Class II – Lead Service Technician Transformer Services, Class III – Service Technician Transformer Services, Class I, Overtime Rate Transformer Services, Class II, Overtime Rate Transformer Services, Class III – Service Technician, Overtime Rate Transformer Services, Class II, Sunday and Holiday Hourly Rate Transformer Services, Class II, Sunday and Holiday Hourly Rate Transformer Services, Class II, Sunday and Holiday Hourly Rate	of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II. BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I. The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor categ	10 years 4 years 1 year 10 years 4 years 1 year 10 years	Hour Hour Hour	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	187.02 149.61 421.64 281.09 226.69 562.19

412-52	MV Electrical Services, Class I - Service Engineer or Technical Specialist	BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel.	10 years	Hour	\$	209.69
412-52	MV Electrical Services, Class II – Lead Service Technician	Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I.	4 years	Hour	\$	172.28
412-52	MV Electrical Services, Class I, Overtime Hourly Rate	BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel.	10 years	Hour	\$	314.53
412-52	MV Electrical Services, Class II, Overtime Hourly Rate	Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I.	4 years	Hour	\$	258.42
412-52	MV Electrical Services, Class I, Sunday and Holiday Hourly Rate	BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel.	10 years	Hour	\$	419.37
412-52	MV Electrical Services, Class II, Sunday and Holiday Hourly Rate	Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I.	4 years	Hour	\$	344.57
412-52	MV Electrical Services, Emergency Call-out Hourly Rate	Surcharge for Emergency (non-scheduled) on-site service. Add to hourly rates.	4 years	Hour	\$	267.49
412-32	MV Electrical Services, Emergency Call-out	Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category	4 years	Hour	φ	207.49
412-52	Overtime Hourly Rate MV Electrical Services, Emergency Call-out Sunday & Holiday	is a lower skill level than Class I. Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category	4 years	Hour	\$	403.50
412-52	Hourly Rate	is a lower skill level than Class I.	4 years	Hour	\$	534.98

END OF PRICING



SERVICE PRICING

ABB Servi	ABB Service Rates Based on Commerical Price List May 2015								
SIN(s) PROPOSED	SERVICE PROPOSED (e.g. Job Title/Task)	MINIMUM EDUCATION/ CERTIFICATION LEVEL	UNIT OF ISSUE (e.g. Hour, Task, Sqft)	PRICE OFFERED TO GSA (including IFF)					
SIN 412-50 Ancillary Service Related to Alternative Energy Solutions and Power Distribution Equipment									
412-50	Mobilization and demobilization for oil processing trailer.	Operated by Class I or Class II personnel.	Mile	\$ 3.46					
412-50	Transformer oil processing with oil processing trailer. Requires additional line items for crew of 4, at least 2 of which must be ABB, 2 can be customer personnel. 8 hour minimum. Requires mobilization line item charge. Customer to provide power or on-site generator with fuel.	Operated by Class I or Class II personnel.	Hour	\$ 308.55					
412-50	Mobilization or demobilization for Class I personnel. Includes preparation and cleanup. Per person. To be used at beginning and end of project	BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel.	Job	\$ 2,248.74					
412-50	Mobilization or demobilization for Class II personnel. Includes preparation and cleanup. Per person. To be used at beginning and end of project.	Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I.	Job	\$ 1,496.14					
412-50	Mobilization or demobilization for Class III personnel. Includes preparation, and cleanup. Per person. To be used at beginning and end of project.	The service technician has specialized factory training and experience. This person works under the supervision of a Class I or II labor category and performs installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class III labor category is a lower skill level than Class I or II.	Job	\$ 1,196.91					
412-50	Mobilization or demobilization for MV Electrical Services Class I personnel. Includes preparation and clean-up. Per person. To be used at beginning and end of project.	BS (4 yr.) degree in engineering. Two years of experience can be considered equivalent to one year of college. The service engineer or technical specialist has specialized educational and factory training and experience in design, assembly, installation, and testing. This person is required for special diagnosis, repairs, inspection, failure analysis, engineering evaluations, and training of customer personnel.	Job	\$ 1,677.49					
412-50	Mobilization or demobilization for MV Electrical Services Class II personnel. Includes preparation and clean-up. Per person. To be used at beginning and end of project.	Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service technician has specialized factory training and experience. This person can act as a consultant for customer's personnel with respect to correct installation, testing, maintenance, or service requirements consistent with ABB guidelines. This Class II labor category is a lower skill level than Class I.	Job	\$ 1,378.26					

	Mobilization and demobilization for oil				
412-51	processing trailer.	Operated by Class I or Class II personnel.	Mile	\$	3.40
	Transformer oil processing with oil				
	processsing trailer. Requires additional				
	line items for crew of 4, at least 2 of which				
	must be ABB, 2 can be customer				
	personnel. 8 hour minimum. Requires				
	mobilization line item charge. Customer to				
	provide power or on-site generator with				
412-51	fuel.	Operated by Class I or Class II personnel.	Hour	\$	308.5
		BS (4 yr.) degree in engineering. Two years of experience can be			
		considered equivalent to one year of college. The service engineer			
		or technical specialist has specialized educational and factory			
	Mobilization or demobilization for Class I	training and experience in design, assembly, installation, and			
	personnel. Includes preparation and clean-	testing. This person is required for special diagnosis, repairs,			
	up. Per person. To be used at beginning	inspection, failure analysis, engineering evaluations, and training of			
412-51	and end of project	customer personnel.	Job	\$	2,248.7
112 01	and one of project	Two year college degree. Two years of experience can be	• • • • • • • • • • • • • • • • • • • •	Ψ	2,2 10.7
		considered equivalent to one year of college. The lead service			
		technician has specialized factory training and experience. This			
	Mobilization or demobilization for Class II	person can act as a consultant for customer's personnel with			
	personnel. Includes preparation and clean-	respect to correct installation, testing, maintenance, or service			
	up. Per person. To be used at beginning	requirements consistent with ABB guidelines. This Class II labor			
412-51	and end of project.	category is a lower skill level than Class I.	Job	\$	1,496.1
		The service technician has specialized factory training and			
	Mobilization or demobilization for Class III	experience. This person works under the supervision of a Class I or			
	personnel. Includes preparation and clean-	II labor category and performs installation, testing, maintenance, or			
	up. Per person. To be used at beginning	service requirements consistent with ABB guidelines. This Class III			
412-51	and end of project.	labor category is a lower skill level than Class I or II.	Job	\$	1,196.9
		BS (4 yr.) degree in engineering. Two years of experience can be			
		considered equivalent to one year of college. The service engineer			
	Mobilization or demobilization for MV	or technical specialist has specialized educational and factory			
	Electrical Services Class I personnel.	training and experience in design, assembly, installation, and			
	Includes preparation and clean-up. Per	testing. This person is required for special diagnosis, repairs,			
	person. To be used at beginning and end	inspection, failure analysis, engineering evaluations, and training of			
412-51	of project.	customer personnel.	Job	\$	1,677.4
		Two year college degree. Two years of experience can be considered equivalent to one year of college. The lead service			
	Mobilization or demobilization for MV	technician has specialized factory training and experience. This			
	Electrical Services Class II personnel.	person can act as a consultant for customer's personnel with			
	Includes preparation and clean-up. Per	respect to correct installation, testing, maintenance, or service			
		•			
	person. To be used at beginning and end	requirements consistent with ABB guidelines. This Class II labor			

	Power Systems Engineering Su Mobilization and demobilization for oil			
412-52	processing trailer.	Operated by Class I or Class II personnel.	Mile	\$ 3.
	Transformer oil processing with oil			
	processsing trailer. Requires additional			
	line items for crew of 4, at least 2 of which			
	must be ABB, 2 can be customer			
	personnel. 8 hour minimum. Requires			
	mobilization line item charge. Customer to			
	provide power or on-site generator with			
412-52	fuel.	Operated by Class I or Class II personnel.	Hour	\$ 308
		BS (4 yr.) degree in engineering. Two years of experience can be		
		considered equivalent to one year of college. The service engineer		
		or technical specialist has specialized educational and factory		
	Mobilization or demobilization for Class I	training and experience in design, assembly, installation, and		
	personnel. Includes preparation and clean-	testing. This person is required for special diagnosis, repairs,		
	up. Per person. To be used at beginning	inspection, failure analysis, engineering evaluations, and training of		
112-52	and end of project	customer personnel.	Job	\$ 2,248
		Two year college degree. Two years of experience can be		
		considered equivalent to one year of college. The lead service		
		technician has specialized factory training and experience. This		
	Mobilization or demobilization for Class II	person can act as a consultant for customer's personnel with		
	personnel. Includes preparation and clean-	respect to correct installation, testing, maintenance, or service		
	up. Per person. To be used at beginning	requirements consistent with ABB guidelines. This Class II labor		
412-52	and end of project.	category is a lower skill level than Class I.	Job	\$ 1,496
		The service technician has specialized factory training and		
	Mobilization or demobilization for Class III	experience. This person works under the supervision of a Class I or		
	personnel. Includes preparation and clean-	II labor category and performs installation, testing, maintenance, or		
	up. Per person. To be used at beginning	service requirements consistent with ABB guidelines. This Class III		
412-52	and end of project.	labor category is a lower skill level than Class I or II.	Job	\$ 1,196
		BS (4 yr.) degree in engineering. Two years of experience can be		
		considered equivalent to one year of college. The service engineer		
	Mobilization or demobilization for MV	or technical specialist has specialized educational and factory		
	Electrical Services Class I personnel.	training and experience in design, assembly, installation, and		
	Includes preparation and clean-up. Per	testing. This person is required for special diagnosis, repairs,		
	person. To be used at beginning and end	inspection, failure analysis, engineering evaluations, and training of		
412-52	of project.	customer personnel.	Job	\$ 1,677
		Two year college degree. Two years of experience can be		
		considered equivalent to one year of college. The lead service		
	Mobilization or demobilization for MV	technician has specialized factory training and experience. This		
	Electrical Services Class II personnel.	person can act as a consultant for customer's personnel with		
	Includes preparation and clean-up. Per	respect to correct installation, testing, maintenance, or service		
	person. To be used at beginning and end	requirements consistent with ABB guidelines. This Class II labor		
412-52	of project.	category is a lower skill level than Class I.	Job	\$ 1,378