



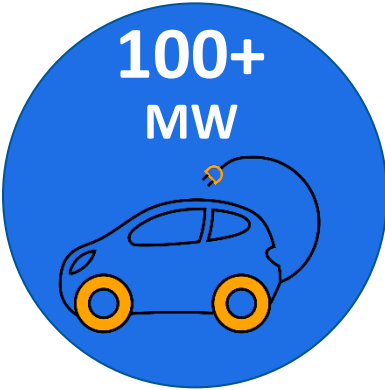
Keith Dickerson, Director of Business Development
DickersonK@bv.com



Black & Veatch Today – 107 Years Of Innovation



1,900+ Electric Vehicle Charging Sites Deployed



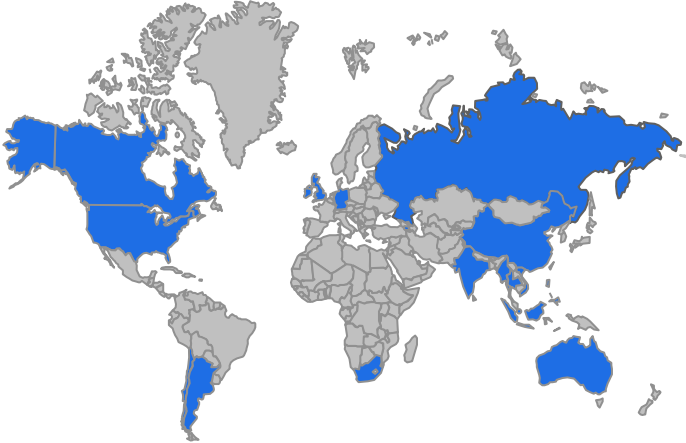
100+ MW of Transit and Fleet Charging Engaged



Backed by **3.5 GW** Solar PV Experience



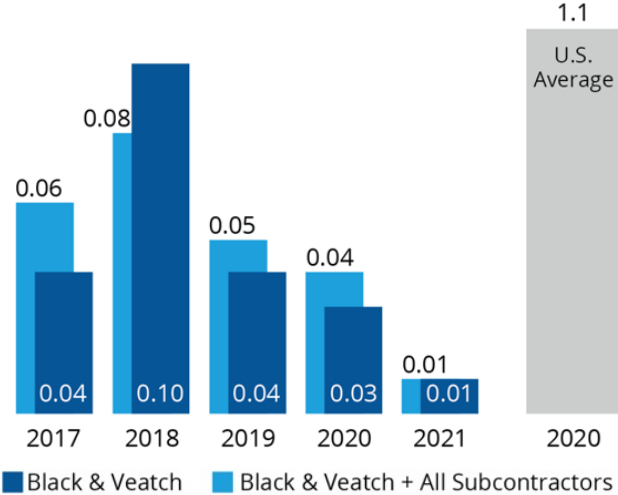
150+ Behind-the-Meter Battery Installations



- 9,200+ professionals
- \$3.3 billion in 2021 revenue
- Work in 100+ countries on six continents
- Consistently high industry rankings in Solar, Power, Telecom, Water and more
- 100% Employee-owned company



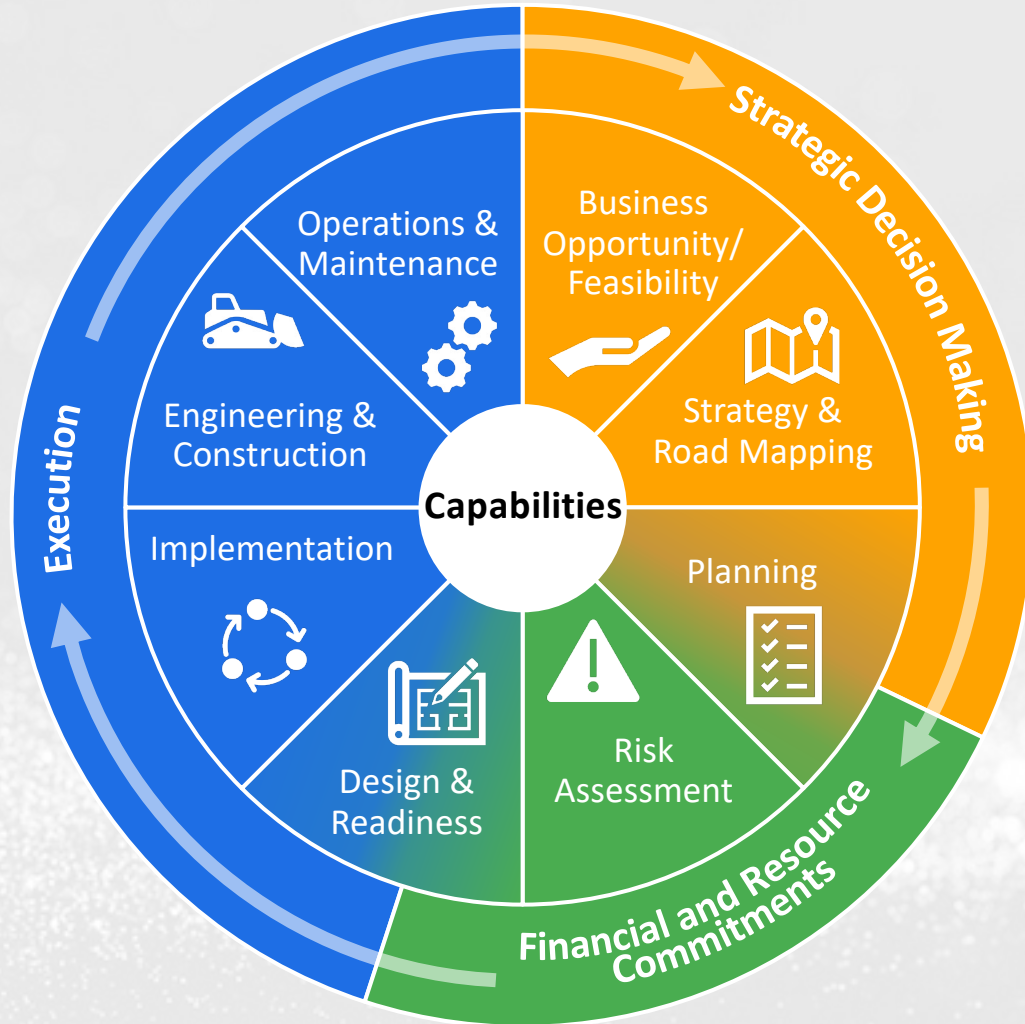
Lost Time Incident Rate



Everybody returns home safely each day

Capabilities & Approach

Black & Veatch provides services throughout a client's typical project lifecycle.



Approach

- Meeting our clients where they are in their program
- Matrix our services to align to client requirements
- Working within the EV Ecosystem
- Pilots – to service immediate needs
- Programs – to achieve the greater mission

Planning

- Supply Chain
 - EVSE
 - Balance of Plant (BOP)
 - Division of Responsibility
- Utility Coordination
 - Power on time
 - How is its paid for?
- Make Ready Programs
 - Scope
 - Approved equipment lists
 - Who's providing what
- Permitting & Codes

ZONING & PERMITTING SUMMARY - EVCS SITE

Site ID: _____ Title: _____
 Site Name: _____ Regional Manager: _____
 Address: _____ Engineering Firm: _____
 Date: _____ Contractor: _____
 Working Date: _____ Project Location: _____

APPROVAL CHECKLIST

1. All applicable codes are reviewed.	Yes/No	Notes
2. All applicable codes are reviewed.	Yes/No	Notes
3. All applicable codes are reviewed.	Yes/No	Notes
4. All applicable codes are reviewed.	Yes/No	Notes
5. All applicable codes are reviewed.	Yes/No	Notes
6. All applicable codes are reviewed.	Yes/No	Notes

INFORMATION ON REVIEW PROCESS

1. Review of all codes	Yes/No	Priority	Notes
2. Review of all codes	Yes/No	Priority	Notes
3. Review of all codes	Yes/No	Priority	Notes
4. Review of all codes	Yes/No	Priority	Notes
5. Review of all codes	Yes/No	Priority	Notes
6. Review of all codes	Yes/No	Priority	Notes

DATE: _____

ZONING & PERMITTING SUMMARY - LIGHTING STANDARDS

Site ID: _____ Title: _____
 Site Name: _____ Regional Manager: _____
 Address: _____ Engineering Firm: _____
 Date: _____ Contractor: _____
 Working Date: _____ Project Location: _____

APPROVAL CHECKLIST

1. All applicable codes are reviewed.	Yes/No	Notes
2. All applicable codes are reviewed.	Yes/No	Notes
3. All applicable codes are reviewed.	Yes/No	Notes
4. All applicable codes are reviewed.	Yes/No	Notes
5. All applicable codes are reviewed.	Yes/No	Notes
6. All applicable codes are reviewed.	Yes/No	Notes

INFORMATION ON REVIEW PROCESS

1. Review of all codes	Yes/No	Priority	Notes
2. Review of all codes	Yes/No	Priority	Notes
3. Review of all codes	Yes/No	Priority	Notes
4. Review of all codes	Yes/No	Priority	Notes
5. Review of all codes	Yes/No	Priority	Notes
6. Review of all codes	Yes/No	Priority	Notes

DATE: _____

ZONING & PERMITTING SUMMARY (EV CANOPIES)

Site ID: _____ Title: _____
 Site Name: _____ Regional Manager: _____
 Address: _____ Engineering Firm: _____
 Date: _____ Contractor: _____
 Working Date: _____ Project Location: _____

APPROVAL CHECKLIST

1. All applicable codes are reviewed.	Yes/No	Notes
2. All applicable codes are reviewed.	Yes/No	Notes
3. All applicable codes are reviewed.	Yes/No	Notes
4. All applicable codes are reviewed.	Yes/No	Notes
5. All applicable codes are reviewed.	Yes/No	Notes
6. All applicable codes are reviewed.	Yes/No	Notes

INFORMATION ON REVIEW PROCESS

1. Review of all codes	Yes/No	Priority	Notes
2. Review of all codes	Yes/No	Priority	Notes
3. Review of all codes	Yes/No	Priority	Notes
4. Review of all codes	Yes/No	Priority	Notes
5. Review of all codes	Yes/No	Priority	Notes
6. Review of all codes	Yes/No	Priority	Notes

DATE: _____

BLACK & VEATCH Building a world of difference.

ZONING/PERMITTING SUMMARY (BESS PROGRAM)

Site ID: _____
 Type of Site: _____
 Site Address: _____

Zoning Jurisdiction: _____ Building Permit and/or Electrical Permit Jurisdiction(s) (add both if applicable): _____
 Address: _____ Address(es): _____

Zoning Contact/Title: _____ Building Permit and/or Electrical Permit Contact/Title(s): _____
 Phone Number: _____ Phone Number(s): _____
 Email: _____ Email(s): _____

Zoning Required: Yes No
 Type of Zoning Review: Administrative (Applications with no In-Person Meetings and/or Public Hearings) Meetings (Applications that require In-Person Meetings and/or Public Hearings)

Brief Summary of the Zoning Application(s) Review Process and Submittal Requirements (including Delivery Method to Submittal): _____

Screening & Buffering Requirements: Does the jurisdiction require a screened enclosure? If Yes, see additional questions below. If no, then EA may proceed with an open equipment area.
 Yes No
 Is a fence (wood/inter wood composite) enclosure required to screen the equipment?
 Yes No
 Can landscape screening be used as an enclosure around the equipment in lieu of a fence enclosure?
 Yes No
 If neither a fence nor a landscape enclosure design applies, would the jurisdiction require a wall enclosure design or another type of enclosure design to match the existing surrounding architecture? If so, what type of enclosure design is required? _____
 If we are required to provide an enclosure for the equipment, will the jurisdiction require landscaping around that enclosure as buffering?
 Yes No

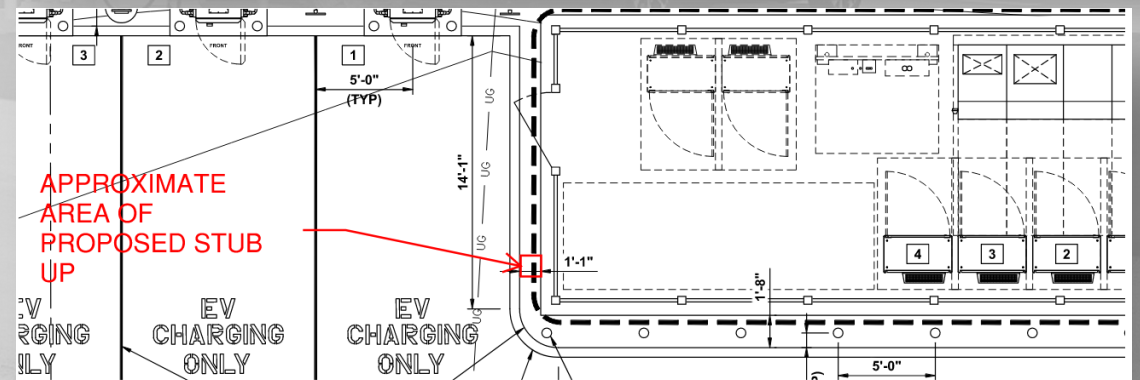
Zoning Application(s) Fee: N/A

Engineering

- Incoming Voltage - Balance of Plant
 - Low Voltage
 - Medium Voltage
- Physical Considerations
 - Clearances
 - Footprint
 - Pads
- Future-Proofing
 - EVSE (CMS)
 - BOP
- System Integration
 - Comms
 - Interoperability

Overall EVSE Area

Symbol	Label	QTY	Manufacturer	Description	Catalog Number	Filename	Lumens per Lamp	Wa
[Symbol]	A	1	Cree Inc	Cast brown street light with 3 sections of 2x10 polymeric optics, 60 optics total, 1 covering each LED	ARE-EDG-4M-xx-06-E-UL-xx-525-xxxx-40K	ARE-EDG-4M-xx-16-E-xxxx-525-DIN-40K.IES	27828	



Procurement

Create Division of Responsibility (DOR) matrix for items to be procured, combine packages where applicable

Develop comprehensive RFP with scope of work and Vendor terms and conditions required based on risk level.

Terms and Conditions of Sale

- Schedule production slots
- Flow-downs (or ups)

Develop combined bidders list with Owner Approved Vendors - select at least 3 bidders for competitiveness

The collage contains several documents:

- Technical Drawing:** A cross-section diagram of a transformer pad with labels for components like 'GROUNDING BUS', 'TERMINAL BOX', and 'GROUNDING RODS'. It includes dimensions and notes.
- MidAmerica Energy Logo:** The logo for MidAmerica Energy, with the tagline 'SUSTAINABLE. RESPONSIBLE. ENERGY.'
- Text Document:** A document titled 'CONST. CUSTOMER 3-PHASE PAD-3' with a date of '2018'. It lists the address '3150 Grand Prairie Pkwy, Waukegan, IA, 50263' and provides a list of construction responsibilities for the contractor.
- Table:** A 'SUMMARY OF CONSTRUCTION RESPONSIBILITIES' table with columns for 'SCOPE OF WORK', 'CONTRACTOR', and 'OWNER'. It lists various tasks like 'INSTALL METERING', 'INSTALL TRANSFORMER', and 'INSTALL BUSBARS'.
- Site Plan:** A site plan showing the location of the transformer pad and other utility infrastructure.



Installation

- Make Ready vs. Installation & Commissioning
- Who's receiving and storing?
- Civil work
 - ADA
 - Bollards
 - Landscaping
- BOP Startup by ?
- Test Vehicle (?)