

Monthly Progress Update

April 2018

Jobs for

1,100

workers



Energy for

1,000,000

homes



Today's Topics



Safety Update

Generation Station Construction Progress

Transmission Line Construction Progress

Questions/Closing



Steps for Safety



- Safety Statistics (Job to Date)

	Generation Station	Transmission Line
Near Misses	10	2
First Aids	27	4
Recordables	1	0
Lost Time	0	0
Hours Worked	402,609	61,470

Cricket Valley Energy Center Construction Progress



April 2018

Educational Outreach



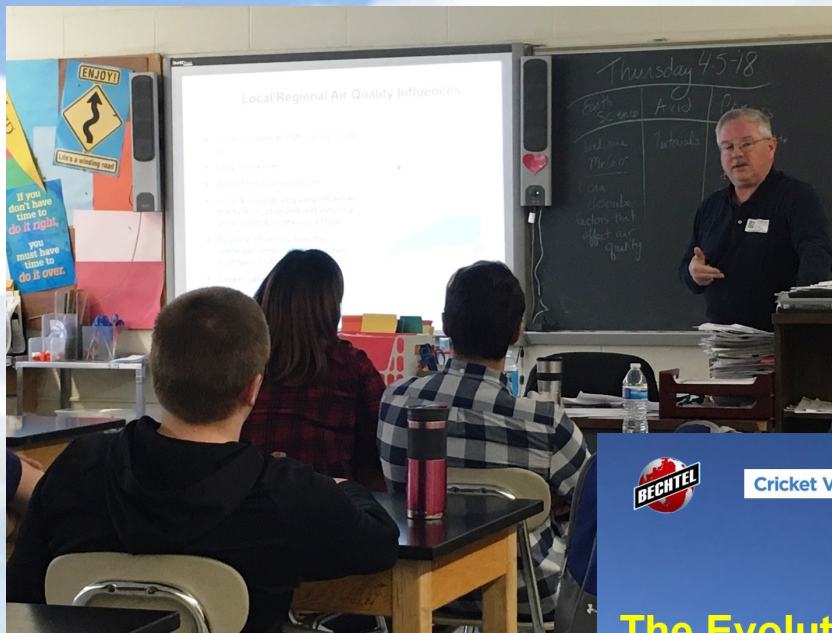
- Joe Collins and a group of our field engineers conducted a seminar at Manhattan College to a group of 200+ engineering students.
- The Bechtel team shared their experience and insight on "The Engineer's Journey" after graduation and the variety of career choices on real-world projects.
- CVEC serves as a useful case study to show how these different career paths can come together to form a team on a major project.



Educational Outreach



- Principal Environmental Scientist, Peter Carr, offered an air quality presentation to science classes at Dover High, highlighting the purpose of the air quality monitor stationed at the campus.
- The students were very engaged. Peter will be back to meet with them again soon.



Community Outreach





- Invited local law enforcement officials to join our office personnel to hear from Retired Philadelphia Police Commander James McGinty who shared his experience and insights regarding Workplace Violence/ Active Shooter situations.
- The focus was on how prevent situations for occurring.



Construction Highlights

- Continue to push the envelope on drone technology.
- Already using the drone in numerous ways that benefit the project, such as surveying, inspections, earthworks calculations, and site plan overlays.






Export 3D drone model for 4D planning

Weekly View

12/4/2017



Appearance Profiles

- Foundation - Form
- Foundation - Pour
- Foundation - Rebar & Anchor Bolts
- Foundation - Strip & Cure
- Storm Water
- Sumps
- UFG Electrical
- UFG Piping

Drone Image: 12/4/2017

Example Shown
3D mesh files processed from drone site mapping in conjunction with 4D tools (e.g., Synchro) are used to communicate more effectively in STWP meetings. Helps with subcontract management and material handling at CVEC.

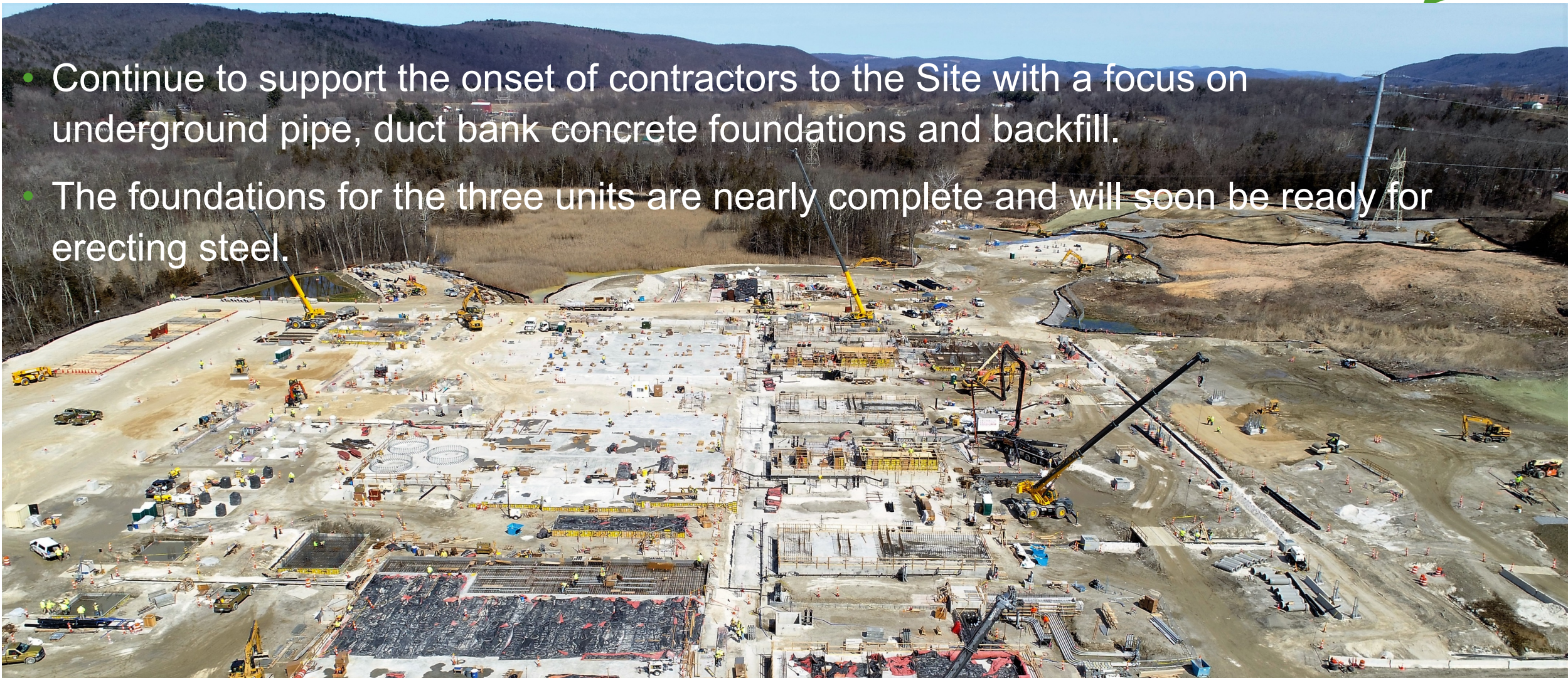
Benefit
Early identification of potential access issues for the next week's workfront.

Cricket Valley Energy Center
(drone 3D imagery integrated in Synchro 4D, Dec 2017)

Preparing to “Go Vertical”



- Continue to support the onset of contractors to the Site with a focus on underground pipe, duct bank concrete foundations and backfill.
- The foundations for the three units are nearly complete and will soon be ready for erecting steel.



Construction Highlights



- Deliveries continue to increase at the Laydown Yard
- Working closely with GE to finalize the Heavy Haul 90-mile trip for 45 pieces that will be starting in May, requiring two days transportation per piece.



Construction Highlights



- O&G, one of our sub-contractors, held a Safety Exercise, allowing workers to experience what it is like to sit in the large equipment.
- This provided a better understanding of what their expert operators deal with as they move around the Site....**SAFETY FIRST**



Jobs for 1,100



- 250 craft workers currently onsite
- 10 active 1st and 2nd tier subcontractors are onsite today.

The Construction Supervision Team



- ABB – Cary, NC
- Babcock & Wilcox – Barberton, OH
- C.B. Strain & Sons – Poughkeepsie, NY
- Dutchess County Constructors – Dover Plains, NY
- Empire Layout – Somers, NY
- E-J/Perreca Electric – Newburgh, NY
- LeChase Construction – Armonk, NY
- O&G Industries – Torrington, CT
- Tectonic Engineering & Surveying – Newburgh, NY
- Tri-Valley Iron – Palisades, NY

Construction Progress Transmission Upgrade



Transmission Line Progress Update



- ✓ Continued with ROW access road construction
- ✓ Continued Work Pad Construction
- ✓ Continued Foundation Work
 - ✓ Installation of Micro-piles
- ✓ **COMPLETED** Reconductoring
 - ✓ Restore access roads remaining
- ✓ Completed Gas Lateral Construction in ROW
- ✓ Continuing with Protected Species Monitoring



Repaired Structure Arm

4 Week Look Ahead – Transmission Upgrade



Activities for May

- ✓ Restore reconductored ROW
- ✓ Commence pile cap construction
- ✓ Continue with road and work pad construction
- ✓ Continue with micro-pile construction
- ✓ Commence Helicopter Access Construction



Reconductored Line and New Hardware
East of Route 22

Helicopter Access Construction



- May activities utilize “Medium Duty” Helicopters
- Activities Include
 - Transporting micro-pile drill rig
 - Transporting materials: casings, rebar, grout, anchor bolts
- June activities will include transport of concrete for pile caps



Example of medium duty lift

Helicopter Access Construction - Locations



- Materials will be staged at:
 - Judson Laydown yard – near Route 22
 - Sky Acres Laydown yard – near Sky Acres Airport, Pleasant Valley
- Flight Paths will typically follow the transmission corridor



Example of helicopter lift

Active Sub-Contractors – Transmission Upgrade



- Crux – Foundation Design and Micro-pile Installation
- Real Time Engineering – Structure Design
- Supreme – Tree clearing, access road improvements, and work pad construction



New Tower near CVEC

Next Up



- More Information?
 - Scott Curry, Project Director
 - scurry@cricketvalley.com