



**Workforce Development Council
Executive Committee**
Bismarck Job Service Office and via interactive video
1601 E Century Ave Bismarck ND 58503

**Audio Bridge - 701-328-7590
Participant Code - 567000#**

**AGENDA
Monday March 19th 2018 9:00 AM – 12:00 PM**

TIME	ACTIVITY	PRESENTER
9:00 am	Call to Order	Dave Farnsworth
	Review the agenda Approve January 29 Executive Committee minutes Presentations regarding Workforce efforts to Executive Committee	
9:05 am	Cyber Security / Palo Alto	Shawn Riley
9:30 am	STEM Network	Bob Pawloski
10:00 am	Unmanned systems	Dave Blair John Nagel Marlo Anderson
10:30 am	Community College efforts	Tony Grindberg
11:00 am	Tribal representative	Jim Davis Sheila Trottier
11:30 am	Department of Corrections and Rehabilitation	Leann Bertsch
12:00 pm	Adjourn	



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**MINUTES
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MEMBERS PRESENT: Dave Farnsworth, Perry Lubbers, Cindy Griffin, Kurtis Karn, Don Schilling, Arnie Strebe
Ex-officio - Michelle Kommer, James Whirlwind Soldier

STAFF: Susan Gunsch

GUEST: Mark Wagner, Mark Hagerott, Pat Bertagnolli, Misty Porter-Belch, Tony Grindberg

Call to Order (Dave Farnsworth)

Intro to the work of the WDC (Michelle Kommer)

Review the agenda

Approve January 29 Executive Committee minutes

Arnie Strebe motioned to accept the minutes. Cindy Griffin seconded. All approved.

Presentations regarding Workforce efforts to Executive Committee

Cybersecurity (Rosi Kloberdanz)

Rosi is with the educational division in ITD which includes distance education. Cyber security needs statistics in ND and nationally were shared. Identifying the gap between k-12 and post-secondary. Need to start earlier to feed the workforce needs. Palo Alto has a cyber security academy. Program offers free certification labs curriculum for post-secondary and hands on experience with their equipment. NICER from homeland security funds curriculum for k-12 free of charge. BSC is working with Palo Alto and NICER. Developing a work group for a workforce pillar k-20 interstate education. Explained the Girl scouts 16 badges. Sans Game for students to identify basic skills for cyber security work. Smart labs learning launchers to do project based learning. There are many established groups to move cybersecurity forward which could collaborate. Relates to many industries such as healthcare, manufacturing, agriculture and banking

STEM Network (Bob Pawloski)

See PPT

Unmanned systems (Dave Blair, John Nagel and Marlo Anderson)

What jobs in ND will be lost because of autonomous advances? Will need workforce to keep "car" well-tuned and driverless system engineers. There will be huge employment opportunity. Autonomous vehicles could schedule itself and get its tune up. There will be inspection requirements that need to be satisfied to be on the road. Additional workforce will be needed as traffic flow analyzers and vehicle repair technicians who will

utilize tools for diagnostics and individuals to program the tools. 3D printing skills will be needed. GM is making 5 million electric cars next year and will need more electricity. Are there the skill sets that are needed in the energy industry. There is great need for the Arts in STEAM. Current electric grid will need to provide most homes more power for electric cars in the future. What will the pull on that grid with a couple of cars in a neighborhood do to infrastructure? Will more solar be needed? There will be a need for data and analytics scientists. Agriculture is already gaining in autonomous. What will happen when software is down? Who will fix these events? Farmers are already downloading software from Europe and are ahead of the game. Manufacturing needs to become nimble and will move as fast as the technology. Truck driving personnel need will be huge. Autonomous cars will save lives and how does that affect insurance companies. Apprenticeship is needed.

Drones - Flying cars are coming. No pilot license will be needed and may be here before ground cars. Avionics will be a huge need to service flying cars. This will be another drain to electrical grid. Individuals may have our own drone to get our purchases (pizza, milk). There will be less cars on the road. This will create more job disruption and put more in the air.

State needs to embrace the autonomous industry and participate in the corridor from Canada to Mexico. Job creation and job disruption is just starting.

What is the gap on the need for skills to provide a living wage? What will be the impact of AI on the ND economy?

Community College efforts (Tony Grindberg)

Tony explained the collaborations happening with the community colleges to align efforts within two year schools. Explained that SD community colleges are constitutionally separated, the 2 year schools from 4 year to address workforce. 2 different boards and they fight. There is a need to improve higher education board representation to promote better coordination across state agencies. Discussed the importance of aligning all efforts that are working tandemly.

Culture in ND is aligned to go to college. Plus

Individuals are not "stuck" if they go to a community college and assume there is never an opportunity to go to a 4 yr college. Parents who think that may be misinformed. Promote adults returning to universities.

Tony – appreciate engagement and priority need is in the trades and skilled labor

What are the expectations of 2 year colleges from private sector and roll in the state strategies and present a plan. Colleagues across the state coming together to create a plan. Industry can provide impetus. Perry Lubbers commented that 2 year colleges have been more receptive to industry needs than 4 year universities.

Department of Corrections and Rehabilitation (Leann Bertsch)

DOCR has a pool of workforce. Much different population than in the past. DOCR is using limited resources to try and match skills to workforce. Require GED. DOCR staff is working with industry to establish friendly businesses. Best success is with people who entered the DOCR system with skills. Training is provided for care givers who are providing service in house. Looking for an avenue to utilize this training and incorporated after release. Housing for work is a barrier. There is a great need to educate employers on what is allowed with a criminal conviction and ability to do the work. AZ partnered with corrections and is providing training for 6 months out in the skilled trades. CAD, Roughrider Industries, welding, cut and sew, small construction trades in Jamestown and work on-site with plant services is currently available for inmates. Education is the vehicle to have an inmate look at themselves differently. Creating a different view opens opportunities for meaningful work. Engagement with employers and investment for training inside would create many opportunities. Housing and transportation is a challenge.

Arnie Strebe summarized the prioritization efforts into the following points:

- Environment scan of efforts
- Align resources
- Establishing the priorities for 2018, 2019, and 2020 and appropriate resources to strategies
- Communication is essential
- Maximizing strategic process of parallel efforts

Adjourn