

Len Pettis

DSN Energy Construction & Utilities

A Strong Energy, Construction & Utilities Workforce Built to Industry Standards

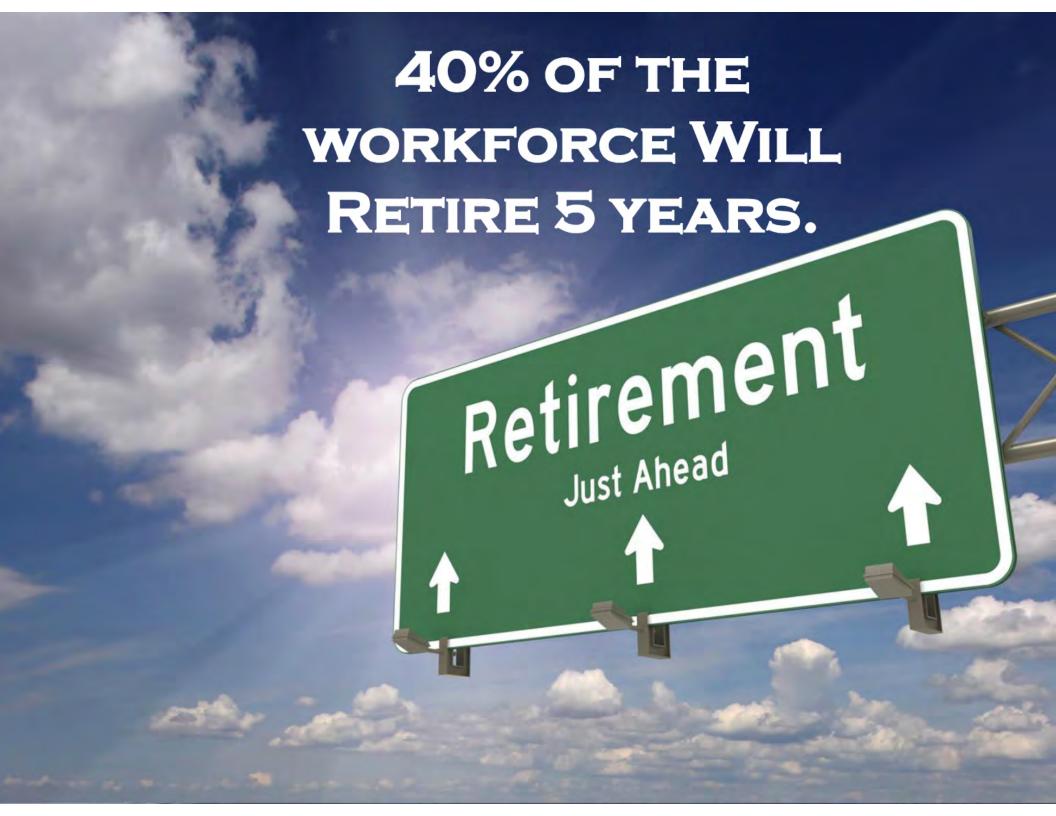
ONE MILLION MORE SKILLED WORKERS ONE MILLION MORE HOMES ONE MILLION MORE ACRE-FEET OF WATER

Slides #4 & 5

California Community College initiative to fund support for Career Technical Education 'Doing What Matters for Jobs and the Economy. Calls for Making Room for CTE programs in community colleges; Giving Priority to CTE programs that help educate the local community workforce; Promote student success with clear pathways, internships, and counselling; Foster innovation for delivering CTE in a meaningful way.







Colleges - 113

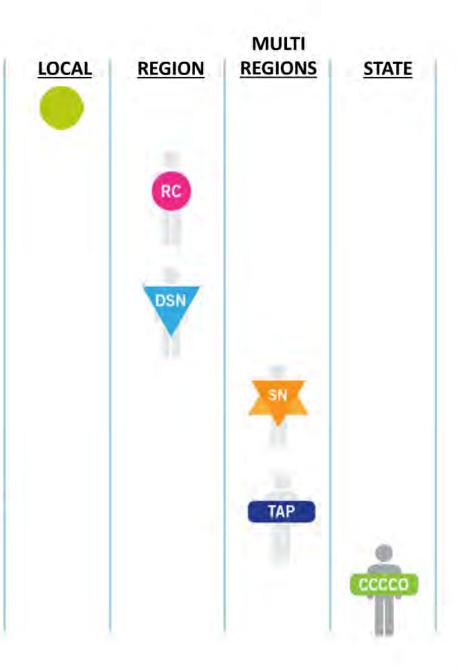
Regional Chairs - 7

DSNs-63

Sector Navigators - 10

Technical Assistance - 7

Chancellor's Office



Priority & Emerging Sectors



Slide # 10 The Internet of things IoT

Numbers that matter:

17... \$7 - \$17 Trillion will be invested in IoT by 2020 according to independent world economists

50... 50 Billion Apps (applications) developed by 2020

4... \$4 Trillion invested by Silicon Venture Capital in Education by 2020

17 IoT50

4

Slides #12 & 13

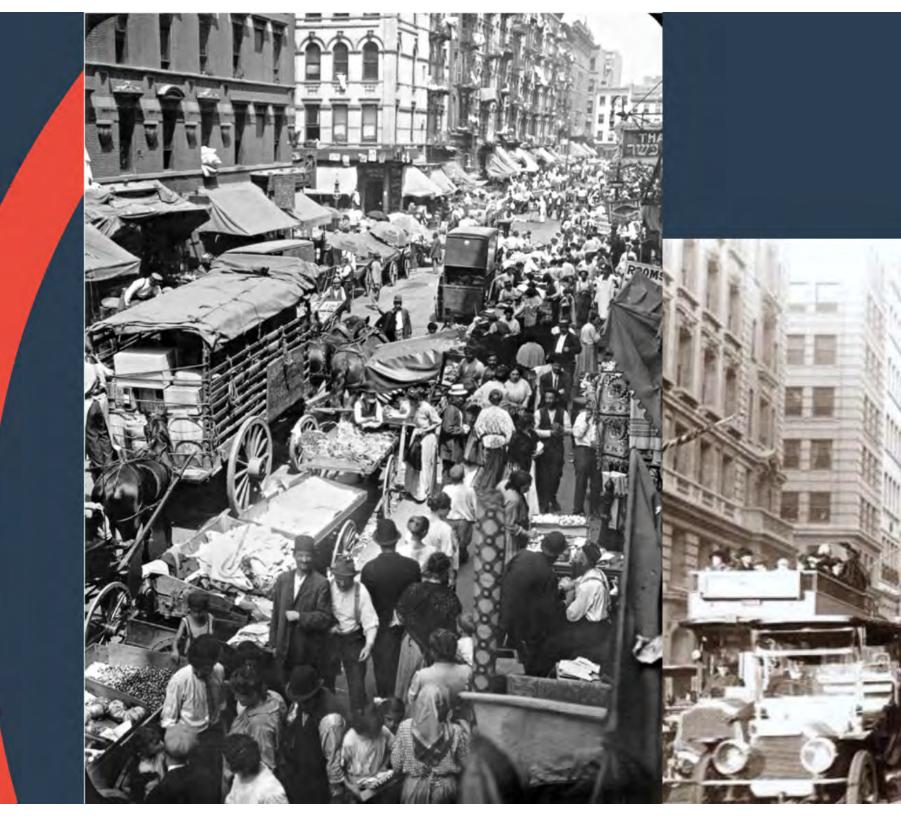
Transformation

New York City 1903 transportation 'horse and buggy'

New York City 1913 transportation 'the automobile'

A transformation at the beginning of the last century only took less than 10 years

In 2016 IoT is transforming our way of life in months! Not years.





Slide #15 picture of Old and New

Far Right The electric grid power flows one way.

In California, nearly 60,000 people go to work every day to keep the lights on, water and gas flowing, so life can go on!

Lower left 20th Century control room...top 21st century closed circuit tv online live traffic control center

Upper Left Solar and Renewable energy forcing the 20th century grid to transform and allow power to flow both ways

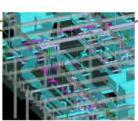


What We Propose

\$7M to Plug new and incumbent workers into careers in:

- Heating, Ventilation, Air-conditioning, & Refrigeration (Ready)
- Building Science (Development)
- Energy Analysis & Auditing (Development)





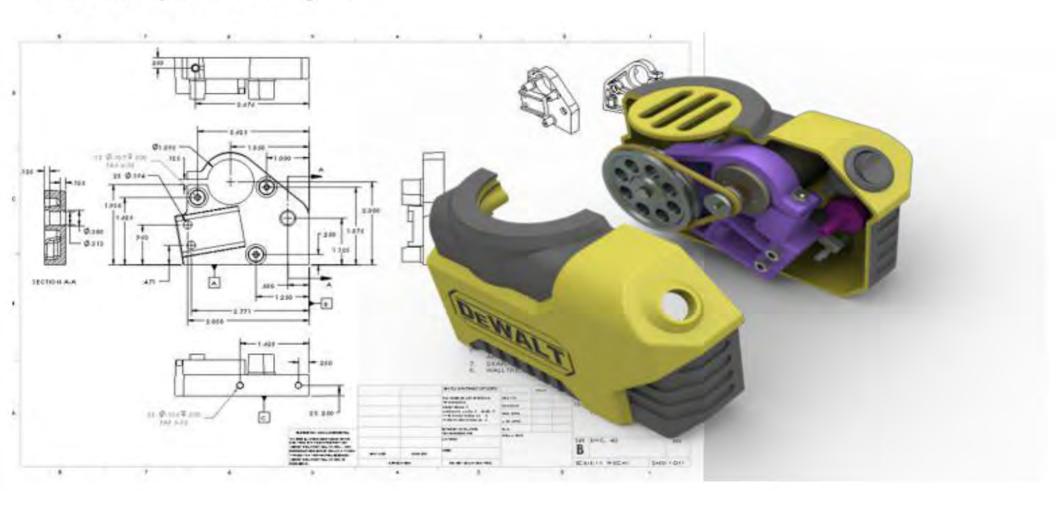






Program Collaboration-Phase 3: Cross-Region Student Collaborations

Air Compressor Project



DoingWhatMATTERS.cccco.edu

ECUSectorDWM.com

EnergyOC.org



