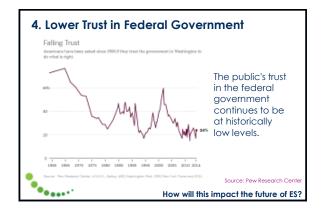
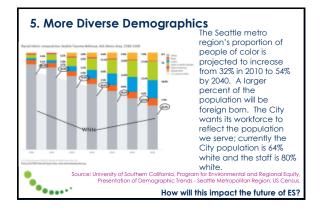


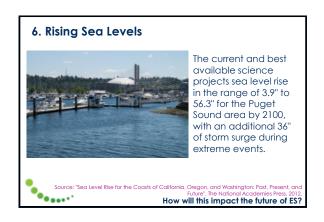




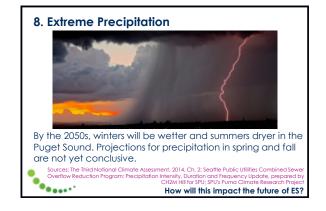
How will this impact the future of ES?













In the next 20 years, Millennials and the iGeneration will define what it means to be a digital citizen (a person with extensive skills, knowledge, and access to the internet to interact with public and private organizations).

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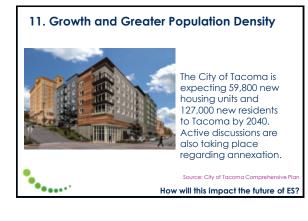
10. Worker Safety



In 2015-2016, City of Tacoma employees reported 667 injuries. With an aging workforce and many jobs involving physical labor, COT could see an increase in on the job injury (or re-injury).

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Source: HR Performance Measures 2017-2018 Budget Book How will this impact the future of ES?

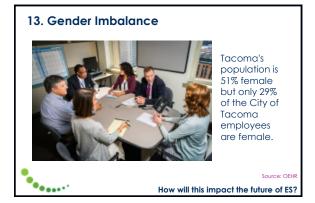


12. Retirement Wave

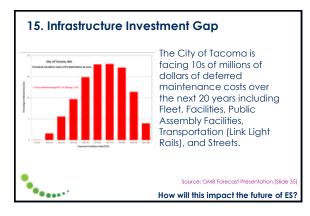


Currently, approximately 19% of TERS members are eligible to retire with full benefit and 12% at a reduced benefit. If the current membership did not change, 36% would be eligible to retire at full benefit by 2022 (and an additional 14% at reduced benefit).

Source: SAP; TERS
How will this impact the future of ES?





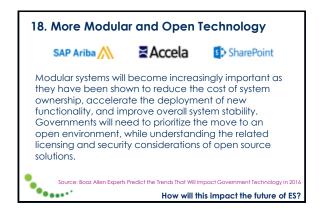


16. Less Affordable Housing

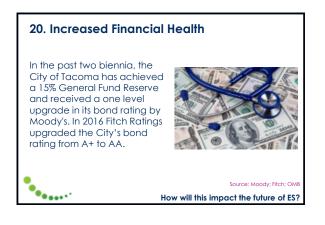


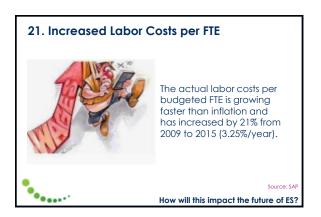
In the third quarter of 2016, median home prices have surged 11% compared to only a 1.6% increase in average weekly income. Over longer periods both rents and home prices have continued to outpaced income growth by a significant margin. 27% of all rental households in Tacoma are severely cost burdened. Wo Mata Subtrows Tacoma Community Needs Survey How will this impact the future of ES?











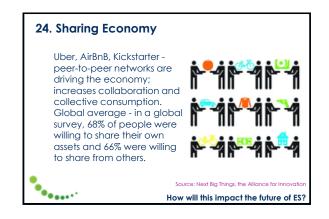


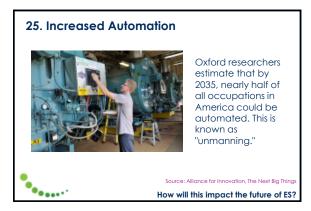
23. Increased Demand for Work/Life Balance and Alternative Schedules

Since 1996 in the U.S. the percentage of organizations offering telecommuting has increased from 20% to 60%. 80% to 90% of the US workforce says they would like to telework at least part time.



Source: HR Professionals Magazine. Next Big Things, Alliance for Innovation.
How will this impact the future of ES?





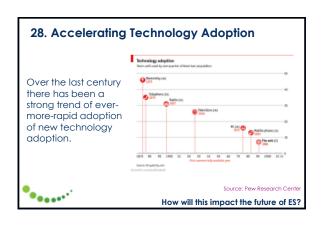




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Source: Next Big Things, the Alliance for Innovation; ry Summers writes in the 2015 Global Economic Outlook **How will this impact the future of ES?**



29. Advances in Transportation

When 2020 hits, you can bet it will start the decade of driverless cars.

Florida is the only state to expressly allow a truly drivertess car. District of Columbia law also allows on the road in autonomous mode. Some other states have passed legislation allowing for AVs to be tested on public roads.



Drones are already beginning to have applications for government operations.

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Source: <u>Wanis Kabbaj</u>, Business Insider How will this impact the future of ES?

30. Green Infrastructure

In 2015, governments, water utilities, companies, and communities spent nearly \$25 billion on payments for green infrastructure for water. More than 400 programs in 62 countries invested in the natural ability of forests, wetlands, grasslands, and other ecosystems to ensure clean, reliable water supplies for cities and communities, and to combat threats from rapid urban expansion and agricultural pollution.



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How will this impact the future of ES?

31. Changes in Regulation

President Trump has issued an Executive Order directing the Administrator of the EPA and the Assistant Secretary of the Army for Civil Works to review the Clean Water Rule and publish for notice and comment a proposed rule rescinding or revising the rule, as appropriate and consistent with law. EPA and the Army intend to immediately implement the Executive Order and publish a Notice of Proposed Rulemaking to rescind or revise the rule.



Will the State enforce the status quo? After this administration will we see stricter requirements? Tertiary treatment for wastewater, end of pipe treatment for storm? Source: EPA How will this impact the future of ES?

32. Women in Leadership

Most Americans say women are about equal to men when it comes to key leadership traits such as intelligence and capacity for innovation, yet women still make up a small share of top leadership jobs.

- US House and Senate, and State Legislatures has grown from 2-25% from 1965 to 2017.
- Governors 2 to 8%
- Mayors 20%
- Municipal Public Works Directors climbed to 6% 2004 to 2011, County Directors 17%.
 ES Management 16%

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How will this impact the future of ES?



