

INFRASTRUCTURE WEEK 2014



INFRASTRUCTURE IS PART OF OUR EVERYDAY LIVES.



SHE BRUSHES HER TEETH

\$384B
WATER UPGRADES

What the U.S. needs to spend on water system upgrades over the next 20 years.

7B
GALLONS

of drinking water is lost daily, leading to losses of \$2.6 billion annually.²

240,000 + 75,000
WATER MAIN BREAKS SEWER OVERFLOWS

Water main breaks and sewer overflows discharge three to 10 billion gallons of water annually.³



JANE WAKES UP AND TURNS ON THE LIGHT

70%

OF U.S. POWER LINES AND LARGE POWER TRANSFORMERS

are more than 25 years old.

The nation's outdated power grid saddles residents and businesses with more expensive energy while keeping cleaner, more affordable alternatives out of the market.¹



SHE DRIVES TO A PARK AND RIDE AND GETS ON A BUS TO GO TO WORK

5.5B
EXTRA HOURS

traveled by Americans in 2011 due to congestion.

\$818
PER COMMUTER

the total financial cost per commuter in 2011.⁴

3.8M
EMPLOYEES

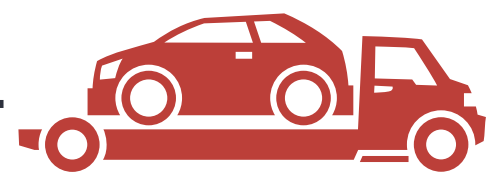
number of Americans directly employed by the U.S. auto industry.⁵

1.9M
EXPORTED VEHICLES

number of passenger vehicles and light trucks exported from the U.S. in 2012.⁶



SHE ARRIVES TO WORK AT A LOCAL CAR FACTORY



SHE LOADS A CAR FOR TRANSPORT TO THE DEALER

\$1B = 28K

FEDERAL HIGHWAY SPENDING

U.S. JOBS

These jobs include 9,500 in the construction sector, 4,300 in industries supporting the construction sector and about 14,000 other jobs in non-construction related sectors of the economy.⁷



SHE TEXTS HER FAMILY FROM THE BUS

57%
ANNUAL GROWTH RATE

of mobile data traffic in the U.S. from 2012 to 2017.⁹

\$50.5B
U.S. INVESTMENT

by the telecom and cable industry in 2012; more than what the federal government spends on roads and bridges every year.⁸

\$87B + 350K
INCREASE IN GDP NEW U.S. JOBS

the result of nearly doubling the amount of spectrum available for wireless broadband by 2020.



SHE DRIVES OVER A BRIDGE

43
YEARS

is the average age of U.S. bridges.

The average designed lifespan is 50 years.



CHESTER ARTHUR 1833

Believe it or not, Chester Arthur was President when the Brooklyn Bridge was built. Today it carries more than 106,000 cars daily and is deemed structurally deficient.

GETTING GAS TO THE PUMP WOULDN'T BE POSSIBLE

without our U.S. waterways, ports, pipelines, transportation vehicles and roadways. Take, for example, the Sabine-Neches Waterway on the coast of Texas. This waterway is the #1 U.S. crude oil importer, produces 60% of the nation's commercial jet fuel, the majority of U.S. military jet fuel and refines 13% of U.S. daily fuel consumption.

NO MAJOR IMPROVEMENTS

have been made on this important waterway in 50 years. Doing so will protect existing business, increase efficiency, create thousands of jobs, generate billions of dollars in economic impact and position the U.S. to better compete in the global marketplace.¹⁰



SHE PUTS GAS IN THE CAR



SHE TURNS OFF HER LIGHT

23%
OF GROWTH

for electricity demand in the U.S. by 2040.¹²



SHE DRIVES BY THE AIRPORT

\$1.6B

IN JET FUEL SAVINGS BY 2020

if NexGen satellite navigation systems are installed nationwide. For the past 60 years, World War II Era technologies have forced flights to follow an inefficient path from city to city, but the FAA says NexGen will enhance safety on flights and reduce delays and aircraft emissions—all vital to preserving aviation's contributions to the economy.¹¹

1. Modernize the Grid
2. Water is Your Business
3. U.S. Environmental Protection Agency
4. Texas A&M Transportation Institute, Urban Mobility Report
5. Bureau of Labor Statistics as of March 2014
6. Department of Commerce
7. Federal Highway Administration, U.S. Department of Transportation
8. Cisco Virtual Networking Index
9. Progressive Policy Institute, "US Investment Heroes of 2013"
10. Sabine-Neches Navigation District
11. Federal Aviation Administration, NextGen
12. U.S. Energy Information Administration Edison Electric Institute