PUBLIC WORKS

"Create and maintain the highest quality, lowest cost infrastructure in the nation."
What Would Orem Be Like without Public Works?
Public Works

Many roles

- Synonymous with infrastructure
- Improves quality of life
- Planning for today and tomorrow
- Manages and mitigates for emergencies
Agenda

Water
Wastewater
Streets
Parks
Fleet
Traffic
Water: Supply

Where does our water come from?
- Surface water: Deer Creek and Jordanelle Reservoirs; Provo River
- Nine deep wells
- Two natural springs

Where is surface water treated?
- Utah Valley Water Treatment Plant

Where is our water stored?
- Storage tanks
- Orem currently has a 10 million gallon storage deficiency.
Water: Distribution

How does water distribution work in Orem?

- 477 miles of water mains and lines connect homes and businesses to the water supply.

How much water did Orem residents use in 2018?

- An average of 268 gallons of water per person per day.
- Highest water usage day was June 29 with 52.17 million gallons.
- Lowest water usage day was February 12 with 8.99 million gallons.
Wastewater: Collection

How does wastewater get to the treatment plant?

- 292.35 miles of gravity sewer lines
- 3.06 miles of pressure sewer lines

How are sewer lines maintained?

- In 2018, the Wastewater Collections Group did the following:
  - Cleaned over 260.59 miles of sewer mains.
  - Video-inspected more than 40 miles of sewer mains.
Wastewater: Treatment

Where does Orem's wastewater get treated?
- Orem Water Reclamation Facility

How much water gets treated each day?
- 7.72 million gallons of sewage per day in 2018
Streets: Asphalt

Who owns the 275 miles of streets in Orem?

- City of Orem, 242 miles
- Privately Owned, 14 miles
- State of Utah, 19 miles

How many miles of streets were repaired in 2018?

- 1.5 miles of streets were reconstructed or overlaid
- 3.7 miles received micro-surfacing
- 25 miles were crack sealed
- 18 miles were slurry sealed

How much asphalt did it take to make repairs in 2018?

- 3,800 tons of asphalt
Streets: Concrete

How many miles of sidewalk does the City maintain?

- 500 miles of sidewalk, curb, and gutter
- The City also maintains over 4,300 Americans with Disabilities Act (ADA) ramps.

What repairs has the City made on sidewalks?

- City crews installed and replaced over 7,500 lineal feet of sidewalk, curb, and gutter, including 31 ADA ramps last year.
Streets: Storm Water

What is the Storm Water Group responsible for?
- Street sweeping
- Maintaining the storm water system

What does the storm water system consist of?
- Catch basins, sumps, pipes, and detention basins.
Parks

What amenities exist in Orem's 22 parks?

- 33 Rented pavilions
- 25 Picnic shelters
- 27 Tennis courts
- 28 Restrooms
- 25 Soccer fields
- 15 Lacrosse fields
- 6 Football fields
- 22 Miles of walking track
- 1 Frisbee golf course
- 19 Playgrounds
- 19 Baseball fields
- 5 Basketball courts
- 8 Horseshoe pits
- 1 Volleyball court
Parks: Cemetery

How big is the Orem Cemetery?

- 39 acres total
- Upper cemetery
  - 22 acres,
  - 20,000 burial plots
  - Almost at capacity
- Lower cemetery
  - 17 acres
  - 11,000 burial plots expected
  - Soon to be used as a cemetery
Parks: Urban Forestry

How many trees does the City care for?

- 6,165 trees with a value of over $12 million.
- These trees came in 263 different varieties.
- The trees are at 64 locations throughout the City.

Fun Fact: The City received the Tree City USA award for the 25th consecutive year in 2018.
Parks: Volunteering

In 2018, there were 129 volunteer Projects

What volunteer opportunities are available through the Parks Department?

- Adopt-a-Spot
- Adopt-a-Trail
- Litter Patrol
- Park Beautification
- Cleaning traffic lights and fire hydrants
- Weed Out Warriors
- Preparation for Memorial Day
- Summerfest
- Storytelling Festival
Fleet

How many vehicles are in Orem’s Fleet?
• 360 vehicles

What other equipment does Fleet Services maintain?
• 600 pieces of off-road equipment
  • weed trimmers
  • lawn mowers
  • tractors
  • backhoes
  • front-end loaders
  • generators
  • compressors
Traffic

How does the City coordinate traffic signals?

- 237,500 feet of fiber optic cables connect all signals to City facilities.

How many traffic lights and traffic signs are in Orem?

- 74 signalized intersections, 34 of which are maintained by the City
- 3,290 traffic signs
- 9,143 street address signs
QUESTIONS?