

Infrastructure and Utilities List of Video Resources

The video resources in this package are divided into two categories:

1. The first category, “**Program Videos**,” lists archived versions of our live, interactive student programs that explore multiple concepts and topics related to infrastructure and utilities
2. The second category, “**Topic Videos**,” includes short videos that deal with a specific topic, issue, event, or person related to infrastructure and utilities. Some of the “topic videos” listed here are also featured in one of the archived live programs. If so, the name of the archived program video is included in parentheses.

More information on each video, including a description of its content, grade levels targeted, and any teacher tools or student tools related to it, can be found on its video play page by clicking on its title below. Time length for each video is provided below and on its video play page.

Program Videos:

Infrastructure 3: The Science Behind Sewer Systems (59:37)

Infrastructure 4: Explore! The City Underground (29:31)

Infrastructure 5: Fighting Fires 2010 Program 1 (49:30)

Infrastructure 6: Fighting Fires 2010 Program 2 (55:36)

Topic Videos:

Infrastructure 1: Maintaining a Sewer System (01:51)

Infrastructure 2: Economics of a City’s Infrastructure (03:01)

Infrastructure 7: Sewer History and Purpose (01:40)

Infrastructure 8: Ultraviolet Light Detection System (02:03—also seen in Infrastructure 3: The Science Behind Sewer Systems)

Infrastructure 9: Loading Truck with Solid Material to Take to Farm (01:36—also seen in Infrastructure 3: The Science Behind Sewer Systems)

Infrastructure 10: Incineration Method (03:21—also seen in Infrastructure 3: The Science Behind Sewer Systems)

Infrastructure 11: Inside a Sewer Pipe (01:30—also seen in Infrastructure 3: The Science Behind Sewer Systems)

Infrastructure 12: Separating Trash from Wastewater Influent (01:33—also seen in Infrastructure 3: The Science Behind Sewer Systems)

Infrastructure 13: Intake Pipes at a Wastewater Treatment Plant (01:42—also seen in Infrastructure 3: The Science Behind Sewer Systems)

Infrastructure 14: Grit Tanks at Work (01:54—also seen in Infrastructure 3: The Science Behind Sewer Systems)

Infrastructure 15: Primary Tanks at Work (01:08—also seen in Infrastructure 3: The Science Behind Sewer Systems)

Infrastructure 16: The Aeration Process (02:09—also seen in Infrastructure 3: The Science Behind Sewer Systems)

Infrastructure 17: Trickling Filter Process (01:57—also seen in Infrastructure 3: The Science Behind Sewer Systems)

Infrastructure 18: Final Tanks in the Process (02:35—also seen in Infrastructure 3: The Science Behind Sewer Systems)

Infrastructure 19: Chlorine Disinfection (01:19—also seen in Infrastructure 3: The Science Behind Sewer Systems)

Infrastructure 20: The Rotary Drum Thickeners at Work (01:11—also seen in Infrastructure 3: The Science Behind Sewer Systems)

Infrastructure 21: The Belt Filter Process (01:53—also seen in Infrastructure 3: The Science Behind Sewer Systems)