



Smart Communities are
Livable



Maintain Sustainable and Reliable Communities

A desirable community to live in is safe, well-connected, and forward thinking. Are your government services well positioned to support the community's livability? From infrastructure management to operational efficiency tools, the ArcGIS platform includes a suite of configurable apps, maps, and workflows that improve a community's outlook in the long term. These ready-to-use apps will reinforce resilience and self-reliance.

Damage Collection Dashboard

Gives operations managers a dashboard view of damage reports collected in the field

Available for Combination (desktop/web/mobile)

Data Reviewer for Electric Utilities

Provides preconfigured data validation checks for the electrical network

Available for Desktop

Electric Facility Maps

Enables a utility to rapidly deploy a set of standard maps representing an electrical network

Available for Combination (desktop/web/mobile)

Event Support

Schema for utility staff to visualize logistics information during an event requiring catering and lodging for foreign crews

Available for Desktop

Hazard Notification

Provides real-time notifications when new hazards are reported in the field

Available for Combination (desktop/web/mobile)

Storm Vulnerability Assessment

Analyzes the impacts of major storms on an electric network and identifies where to reinforce the network to minimize the impacts

Available for Combination (desktop/web/mobile)

Violations Notification

Provides real-time notifications when a safety violation is reported during a joint-use survey

Available for Combination (desktop/web/mobile)



Electric

WEB

Impact Analysis

Enables utility staff to identify impacts of an incident or natural catastrophe

Available for Web

Model Organization for Electric Utilities

Accelerates configuration of a mapping portal for an electric utility

Available for Web

Pole Report

Provides a series of pole summarization reports

Available for Web

Public Outage Map

Enables a utility to inform customers about electrical system status by area, outage statistics, and locations of outage events

Available for Web

Report Streetlight Problem

Enables the public to report streetlight problems via a self-service web page

Available for Web

Social Media Sentiment Viewer

Geolocates and shows utility staff social media comments about the utility

Available for Web

System Improvement

Enables utilities to deploy a public-facing app that informs citizens about utility line clearing and maintenance activities

Available for Web



CLICK ON THE APP'S NAME TO LEARN MORE



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Electric

WEB/MOBILE

ArcFM Feeder Map

Enables organizations using ArcFM to view the electric network on a browser, desktop, or mobile device

Available for Web/Mobile

Electric Asset Locator

Enables utilities to search and locate assets within web maps deployed through ArcGIS Online

Available for Web/Mobile

Map Change Request

Enables staff to log discrepancies between a utility's maps and reality in the field

Available for Web/Mobile

Map Notes

Enables field staff to collect any ad hoc information

Available for Web/Mobile

MOBILE

Damage Assessment Collector

Enables field crews to capture the locations and severity of post disaster damages

Available for Native Mobile

Hazard Reporting Collector

Enables field staff to record locations of hazards, take photos, and capture details

Available for Native Mobile

Joint Use Survey

Enables field crews to conduct joint-use surveys with a mobile device

Available for Native Mobile



CLICK ON THE APP'S NAME TO LEARN MORE





DESKTOP

As-Built Editing and Analysis

Enables mapping technicians to edit and analyze a utility network

Available for Desktop

As-Built Mapping

Enables field staff to sketch the location of a new or reconstructed gas main and attached as-built drawings

Available for Desktop

Data Reviewer for Gas Utilities

Provides preconfigured data validation checks for the gas network

Available for Desktop

Gas Facility Maps

Enables rapid deployment of a series of maps for utility staff to view information about gas facilities, using any device

Available for Combination (desktop/web/mobile)

Leak Survey Compliance Dashboard

Gives utilities a dashboard view of leak surveys and analytics for compliance tracking

Available for Combination (desktop/web/mobile)

Potential New Customers

Enables a utility to identify potential gas customers near existing gas mains

Available for Combination (desktop/web/mobile)

Utility and Pipeline Data Model

Schema to store gas, hazardous liquid pipeline, and related data in a GIS

Available for Combination (desktop/web/mobile)

Upsell Analysis

Helps identify customers likely to purchase additional products and services

Available for Desktop



CLICK ON THE APP'S NAME TO LEARN MORE

Facility Reports for Gas Distribution

Summarizes information about gas distribution systems for annual reporting

Available for Web

Facility Reports for Gas Gathering

Summarizes information about gas gathering systems for annual reporting

Available for Web

Facility Reports for Gas Transmission

Summarizes information about gas transmission systems for annual reporting

Available for Combination Web

Gas Main Replacements

Enables a utility to communicate with the public about gas-main replacement projects

Available for Web

Gas Service Lookup

Enables the utility to publish a public-facing map that citizens can use to determine whether a utility offers gas service at a location

Available for Web

Leak Survey Manager

Enables operations managers to view progress of leak surveys and assign work

Available for Web

Model Organization for Gas Utilities

Accelerates configuration of a mapping portal for a gas utility

Available for Web

Service Request

Enables customers to request service by using an interactive form

Available for Web



WEB/MOBILE

Gas Asset Locator

Enables utilities to search for and locate assets within web maps deployed through ArcGIS Online

Available for Web/Mobile

Utility Map Generator

Enables utility staff to generate multipage PDF map books

Available for Web/Mobile

MOBILE

Excavation Damages Collector

Enables field crews to capture and inspect excavation damage to a gas network

Available for Native Mobile

Leak Survey Collector

Enables field crews to perform leak surveys by using a smartphone or tablet

Available for Native Mobile

Exposed Pipe Collector

Enables corrosion inspection of pipelines exposed to the atmosphere

Available for Native Mobile

Leak Survey Mobile Map

Enables field crews to use a rugged laptop to perform leak surveys

Available for Native Mobile

Gas Relight

Assists gas utility field crews in managing a list of customers that need relights

Available for Native Mobile

DESKTOP

Campus Editing

Enables mapping technicians to collect and manage building, interior space, and related exterior campus data

Available for Desktop

Road Network Management

Enables mapping technicians to inventory intersections, roads, and physical road characteristics to support maintenance management and transportation planning

Available for Desktop

WEB

Capital Project Planning

Enables local governments to define capital projects, coordinate schedules, track performance, and share status with stakeholders and citizens

Available for Web

Capital Project Tracking

Enables governments to track capital projects and share the information with stakeholders

Available for Web

Public Parking

Enables parking staff to inventory parking assets and promote public parking alternatives in a community

Available for Web

Road Closures

Enables data capture and tracking of roadblocks, closures, and detours

Available for Web

Road Maintenance Agreements

Enables public works organizations to capture asset data and track legal agreements for execution of maintenance of assets in public rights-of-way

Available for Web

Transportation 511

Enables state departments of transportation to inform the public about roadway status, accidents, and incidents

Available for Web

MOBILE

Bridge Inventory

Enables field inventory of bridges

Available for Native Mobile

Guardrail Inventory

Enables field staff to inventory roadway guardrails

Available for Native Mobile

Pavement Marking Inventory

Enables public works staff to inventory pavement markings for use in maintenance workflows

Available for Native Mobile

Railroad Crossing Inventory

Enables field staff to inventory at-grade roadway and railroad crossings

Available for Native Mobile

Railroad Inspection

Enables field staff to inventory at-grade roadway and railroad crossings

Available for Native Mobile

Sidewalk Inventory

Enables field inventory of public sidewalks and curb ramps

Available for Native Mobile

Sign Inventory

Enables inventory of traffic signs

Available for Native Mobile

Signal Inventory

Enables inventory of traffic signals and signal cabinets

Available for Native Mobile



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Public

MOBILE (continued)

Street Furniture Inventory

Enables field inventory of traffic barriers, benches, fountains, waste receptacles, and other equipment installed along streets

Available for Native Mobile

Street Tree Inventory

Enables field inventory of trees planted within public rights-of-way or managed by an organization

Available for Native Mobile

Streetlight Inventory

Enables field inventory of streetlights

Available for Native Mobile

WEB/MOBILE

Campus Place Locator

Enables a map view of interior and exterior assets on a university or business campus

Available for Web/Mobile

Park Locator

Helps citizens locate parks and recreation opportunities in their community

Available for Web/Mobile

Plans and Drawings

Enables public works staff to access records, plans, and drawings through an interactive map

Available for Web/Mobile



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DESKTOP

Antenna Structures Information Model

Enables staff to process and share antenna site and sector information with an organization

Available for Combination (desktop/web/mobile)

Backhaul Optimization

Quickly generates initial network topologies to most efficiently connect remote assets to a network

Available for Combination (desktop/web/mobile)

Core Maps

Enables an organization to rapidly deploy a set of standard maps

Available for Combination (desktop/web/mobile)

Coverage Processing

Turns RF planning tool output data into easy-to-visualize maps that are appropriate for all staff and customers

Available for Combination (desktop/web/mobile)

Fiber Network Data Model

GeoInformation model to store common fiber-optic network data in ArcGIS

Available for Combination (desktop/web/mobile)

Service Qualification

Enables planners and sales staff to understand the feasibility and cost of providing services to a customer location

Available for Combination (desktop/web/mobile)

Wireless Network Viewer

Simplifies deploying a searchable map of network assets to all staff, using any device

Available for Combination (desktop/web/mobile)

Door to Door Sales Campaign

Helps a sales department optimize and manage door-to-door sales activities

Available for Web/Mobile

Model Organization for Wireless

Accelerates configuration of a mapping portal for organizations with wireless networks

Available for Web

Model Organization for Wireline and Cable

Accelerates configuration of a mapping portal for organizations with wireline and cable networks

Available for Web

Point of Sale

Calculates the cost of extending services to a new business

Available for Web

Project Planning Markup

Enables telecommunication engineers and planners to sketch proposed and current network projects

Available for Web

Retail Store Locator

Informs people about the locations, hours, and details of retail stores and authorized resellers

Available for Web

Serviceability Lookup

Enables the public to discover what services are available at a given location

Available for Web

Wireless Bulk Serviceability

Determines which wireless services are available at customer locations

Available for Web

Capital Improvement Planning

Estimate the costs of capital improvement projects and share results with the organization

Available for Desktop

CCTV Processor

Imports NAASCO compliant CCTV data and simplifies mapping observations

Available for Combination (desktop/web/mobile)

Customer Complaints

Enables a utility to visualize customer calls on a spatial dashboard

Available for Combination (desktop/web/mobile)

Data Reviewer for Water Utilities

Provides preconfigured data validation checks for the water, sewer, and stormwater networks

Available for Desktop

High/Low Water Consumption

Gives utilities a dashboard view of customers with below- and above-average water usage

Available for Combination (desktop/web/mobile)

Leak Logger Analysis

Provides tools to plan the placement of leak listening devices, manage device-collected data, and perform notifications for an identified leak

Available for Combination (desktop/web/mobile)

Main Break Notification

Provides real-time notifications and alerts of main breaks

Available for Combination (desktop/web/mobile)

Nighttime Flow Analysis

Provides water utilities with tools to create, monitor, update, and retire sub-DMAs to identify areas of water loss

Available for Combination (desktop/web/mobile)

Pressure Zone Analysis

Enables a utility to determine areas with low or no pressure and identify affected customers

Available for Combination (desktop/web/mobile)

Sanitary Sewer Network Map

Enables a utility to rapidly deploy a sanitary sewer network map for use on any device

Available for Combination (desktop/web/mobile)

Stormwater Network Map

Enables a utility to rapidly deploy a stormwater network map for use on any device

Available for Combination (desktop/web/mobile)

Water Conservation Dashboard

Creates a dashboard view of field efforts in water conservation

Available for Combination (desktop/web/mobile)

Water Distribution Network Map

Enables a utility to rapidly deploy a water distribution network map for use on any device

Available for Combination (desktop/web/mobile)

Water Inventory Reports

Calculates and shares information about assets aggregated by service territories or other areas

Available for Combination (desktop/web/mobile)

Water SCADA Processor

Shares near real-time and historical SCADA readings via an interactive map

Available for Combination (desktop/web/mobile)

Water Utility Network Editing and Analysis

Enables mapping technicians to edit and analyze water, sewer, and stormwater network datasets

Available for Desktop



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Water

WEB

Combined Sewer Overflow Notification

Enables a utility to inform stakeholders when a combined sewer overflows

Available for Web

Model Organization for Water Utilities

Accelerates configuration of a mapping portal for a water, wastewater, or stormwater utility

Available for Web

Proposed Water Design

Enables users to rapidly lay out a proposed water network

Available for Web

Sewer Service Lookup

Helps the public determine whether utility services are available at a given location

Available for Web

Water Service Request

Enables customers and the public to report issues with water, sewer, or stormwater infrastructure

Available for Web



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Water

WEB/MOBILE

Illicit Discharge Trace

Enables utilities to find potential sources of stormwater pollution by identifying upstream business customers

Available for Web/Mobile

Outage Viewer

A self-service website for customers to look up water service outages

Available for Web/Mobile

Utility Isolation Trace

Enables a utility to deploy a web application that tells staff which valves to close to isolate a main break and which customers and assets will be affected

Available for Web/Mobile

Valve Exercising

Enables utilities to capture valve-exercise data on a smartphone or tablet

Available for Web/Mobile

Water Asset Locator

Enables utilities to search for and locate assets within web maps deployed through ArcGIS Online

Available for Web/Mobile



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Water

WEB/MOBILE (continued)

Backflow Inspection

Enables field crews to inspect backflow-prevention devices

Available for Native Mobile

Construction Site Violation

Enables field staff to document construction site stormwater violations

Available for Native Mobile

Hydrant Maintenance Inspection

Enables utilities to use a smartphone or tablet to perform fire hydrant inspections

Available for Native Mobile

Inlet Inspection

Enables utilities to perform inlet and catch-basin inspections with a smartphone or tablet

Available for Native Mobile

Manhole Inspection

Enables field staff to inspect manholes by using a smartphone or tablet

Available for Native Mobile

MS4 Inventory Recorder

Enables field crews to collect stormwater asset location information

Available for Native Mobile

Water Leak Investigator

Enables field staff to record the locations and details of leaks

Available for Native Mobile

Water Utility Mobile Map

Enables field crews to access water utility network information, navigate to assets, create notes, and describe inspection assets by using a rugged laptop

Available for Native Mobile



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Empowering people through data and accelerator apps ensures that communities are making smarter, faster decisions through a modernized ArcGIS platform. Given the ability to discover, apply, create, and share mapped information from any device, anywhere, at any time, a livable community remains aware of the essential elements of habitability.

ArcGIS builds smart communities faster by connecting people to information through insightful apps.

Data Sources and Services



Servers



IoT



Other
Business
Systems

+



Discover
Share
Connect

+

Apps



Desktop



Web



Mobile