

AGENDA
COMMITTEE OF THE
WHOLE January 10, 2017
2200 Harnish Drive
Village Board Room
- AGENDA -
7:30 P.M.

Trustee Dianis – Chairperson
Trustee Glogowski
Trustee Steigert
Trustee Smith
Trustee Spella
Trustee Sosine
President Schmitt

1. **Roll Call – Establish Quorum**
2. **Public Comment – Audience Participation** (*Persons wishing to address the Committee on an item on this agenda must register with the Chair prior to roll call.*)
3. **Community Development**
4. **General Administration**
 - A. Consider Certain Items as Surplus
 - B. Presentation: 2016 Community Survey
5. **Public Works & Safety**
 - A. Presentation and Recommendation: Metron-Farnier Water Meters
6. **Executive Session**
7. **Other Business**
8. **Adjournment**



VILLAGE OF ALGONQUIN
RECREATION DEPARTMENT

– M E M O R A N D U M –

DATE: November 21, 2016



TO: Tim Schloneger, Village Manager





FROM: Katie Gock, Recreation Superintendent



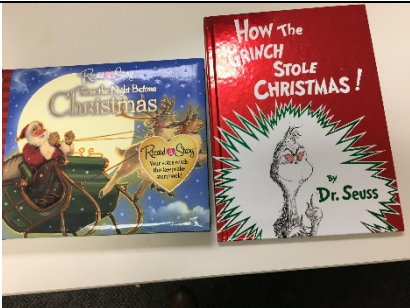
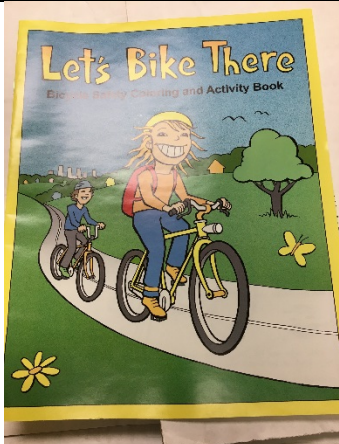
SUBJECT: *Recreation Surplus*

This recreation equipment is in adequate condition but has no further utility for Village use. Please forward this memo to the Village Board for so that they may be declared surplus equipment and be properly disposed of.

The following items are recommended for disposal:

	Pizza Bags
	Quantity: 3
	Description: Red pizza delivery bags
	Baby Dolls
	Quantity: 6
	Description: Dolls were previously used for babysitting course, now contracted and instructor provides all necessary equipment.

	Costume Hats
	<p>Quantity: 3</p> <p>Description: Hats were being stored and have not been used in the last 5 years</p>
	Black and Grey Fabric
	<p>Quantity: 2 rolls of black 1 roll of grey</p> <p>Description: Fabric was being stored and have not been used in the last 5 years</p>
	Halloween Decorations
	<p>Quantity: 1 package of spider webs, 1 roll of caution tape</p> <p>Description: Decorations were being stored and have not been used in the last 5 years</p>
	Potato Sacks
	<p>Quantity: 1 package</p> <p>Description: Game was being stored and have not been used in the last 5 years</p>

	Light Up Candy Canes
	Quantity: 10
	Description: Canes were being stored and have not been used in the last 5 years
	Baskets
	Quantity: 5
	Description: Baskets were being stored and have not been used in the last 5 years
	Books
	Quantity: 2
	Description: Books were being stored and have not been used in the last 5 years
	Coloring Books
	Quantity: 86
	Description: Books were once used for an event, no longer offering event



VILLAGE OF ALGONQUIN
GENERAL SERVICES ADMINISTRATION

– M E M O R A N D U M –

DATE: January 5, 2017

TO: Tim Schloneger, Village Manager

FROM: Michael Kumbera, Assistant Village Manager

SUBJECT: *2016 Algonquin Community Survey*

In fall, staff began work on the fifth annual Algonquin Community Survey to residents of the Village. This survey was scientific in design and results are statistically-significant. This statement signifies that results can be used to make inferences about the entire population within a certain degree of accuracy.

Exactly 1,500 residents were randomly selected to complete the survey which was delivered via mail in late September. The overall response rate was 20.6% with 309 residents responding anonymously.

The survey asked questions about quality of life measures, perceptions of safety, quality and importance of Village programs and services, performance of Village employees, and general demographic information.

The Algonquin Community Survey provides an enhanced means to:

- Foster a continuous improvement organizational culture
- Allocate budgetary resources using a data-driven approach
- Measure progress toward strategic goals
- Evaluate municipal services through the eyes of our residents

A presentation of the results will be presented to the Committee of the Whole at their meeting on January 10. Additionally, a full report will also be provided to the Committee of the Whole to augment the presentation.

Management Interns Margaret Tinberg and Ian Irizarry played an important role in the administration and data analysis of the survey.

Please do not hesitate to contact me with any questions.

Quality of Life

The Village of Algonquin earns its reputation as the "Gem of the Fox River Valley" by providing quality services and amenities to the community. This category asks residents to evaluate the overall quality and image of Algonquin, as well as Algonquin as a place to live, work, and play. **The top rated measure in this category is Algonquin as a Place to Live, receiving a positive (Good or Excellent) rating of 94.4% by respondents.** Additionally, residents rated their Neighborhood as a Place to Live (91.4%) and Algonquin's Shopping Opportunities (90.1%) positively.

This year, the bottom most rated measures in this category are Traffic Flow on Major Streets (34.9%); Employment Opportunities (42.3%); and Value of Services for the Taxes Paid to the Village of Algonquin (47.5%).

Public Safety

Ensuring public safety is one of the most critical charges of municipal government. **The results of the Algonquin Community Survey indicate the vast majority of Algonquin residents feel safe in their neighborhoods. The top rated measure in this category is 911 Services (94.1%).** Additionally, Crime Prevention (91.2%) and Overall Police Services (90.5%) were also rated positively by residents.

This year, the bottom most rated measures are Patrol Services (76.2%); Traffic Enforcement (79.1%); and Responding to Citizen Calls (89.4%).

Public Works/Infrastructure

Residents were asked to rate the quality of Public Works and infrastructure-related services in Algonquin. **The top rated measure in this category is Public Property Maintenance (86.0%).** Following Public Property Maintenance, Sewer Services (84.2%) and Public Property Beautification (82.2%) received the next highest positive ratings. The bottom most rated measures in this category are Sidewalk Maintenance (65.1%); Street Lighting (64.2%); and Street Improvement (64.1%).

The Village of Algonquin has 256 miles of municipality-owned and maintained streets, 22 park sites, 165 miles of water mains, and 137 miles of sanitary sewer.

Parks/Recreation

Parks and recreational services add to the high quality of life that Algonquin residents enjoy. **The top rated measure in this category is Parks Maintenance (89.6).** Followed closely behind Parks Maintenance is Quality of Village Parks (89.0%). The third highest rated measure is Preservation of Natural Areas (81.9%). The bottom rated measures in this category are: Recreation Facilities (69.9%); Recreation Programs (72.3%); and Special Events (75.5%)

The Village of Algonquin owns and maintains all parks within the Village limits. Algonquin Recreation provides activity programs and special events at these parks and other facilities, including Historic Village Hall and the Lions-Armstrong Memorial Pool. Additionally, Dundee Township Park District and the Huntley Park District serves a portion of Algonquin.

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Community Development

The Community Development Department is responsible for planning/zoning, building permitting, economic development, and code enforcement. **The top rated measures in this category are Ease/Efficiency of Obtaining Permits (75.6%) and Overall Community Development (74.6%).** The bottom most rated measures are Economic Development (64.1%) and Land Use and Planning/Zoning (67.0%).

In calendar year 2015, the Community Development Department issued 2,612 building permits, conducted 6,340 building inspections, and performed 4,543 property maintenance inspections. In 2016, the Department issued 2,436 building permits and performed 6,557 building inspections and 4,355 property maintenance inspections.

General Services

This section of the Algonquin Community Survey asked respondents to evaluate services and programs ranging from the Village newsletter to promoting the Village to attract visitors. **The top rated measure in this category is Ease of Water Billing Services (90.1%).** Followed closely behind Water Billing Services is Online Payment Options (89.9%) and Recycling (87.2%). The bottom rated measures are: Promoting the Village to Attract Visitors (56.6%); Yard Waste Collection (78.1%); and GIS Mapping (79.8%).

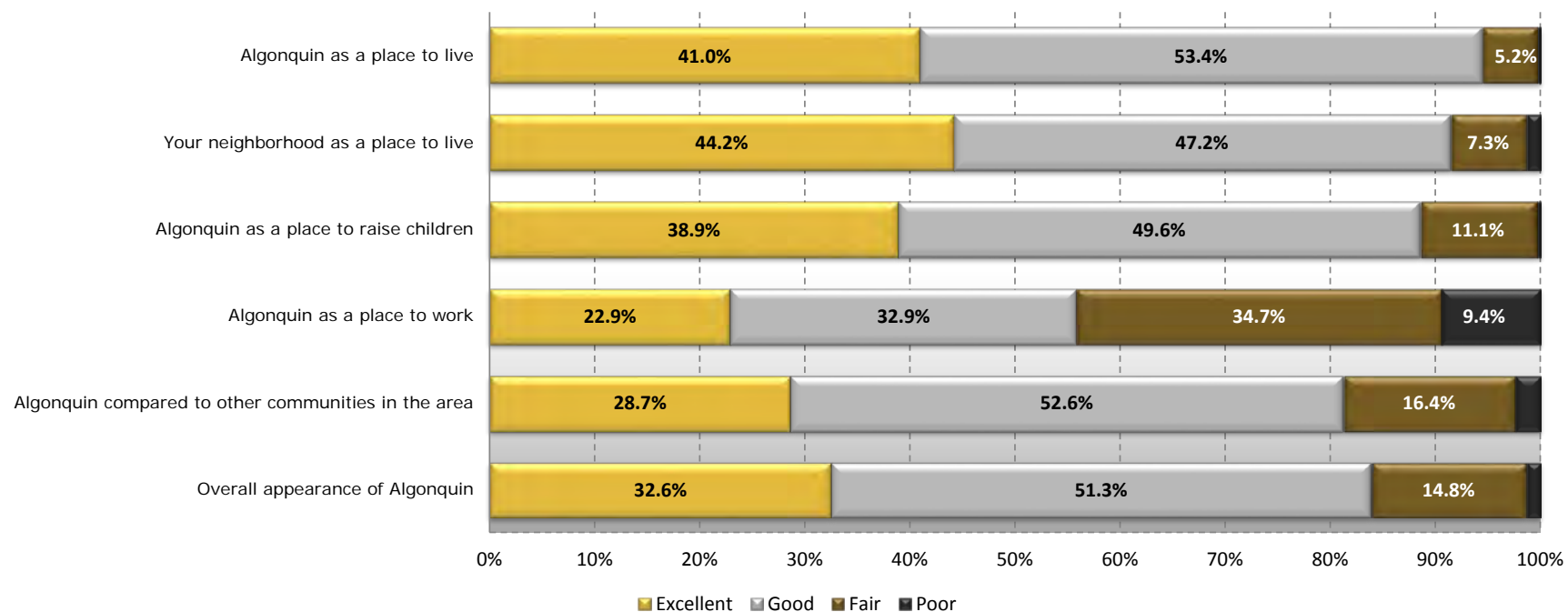
Customer Service

Overall, employee interaction was rated overwhelmingly Excellent or Good in all four evaluation categories: knowledgeable (90.9%), responsive (92.4%), and courteous (93.0%). **Overall, 90.3% residents rated their interactions with Village employees as positive.**



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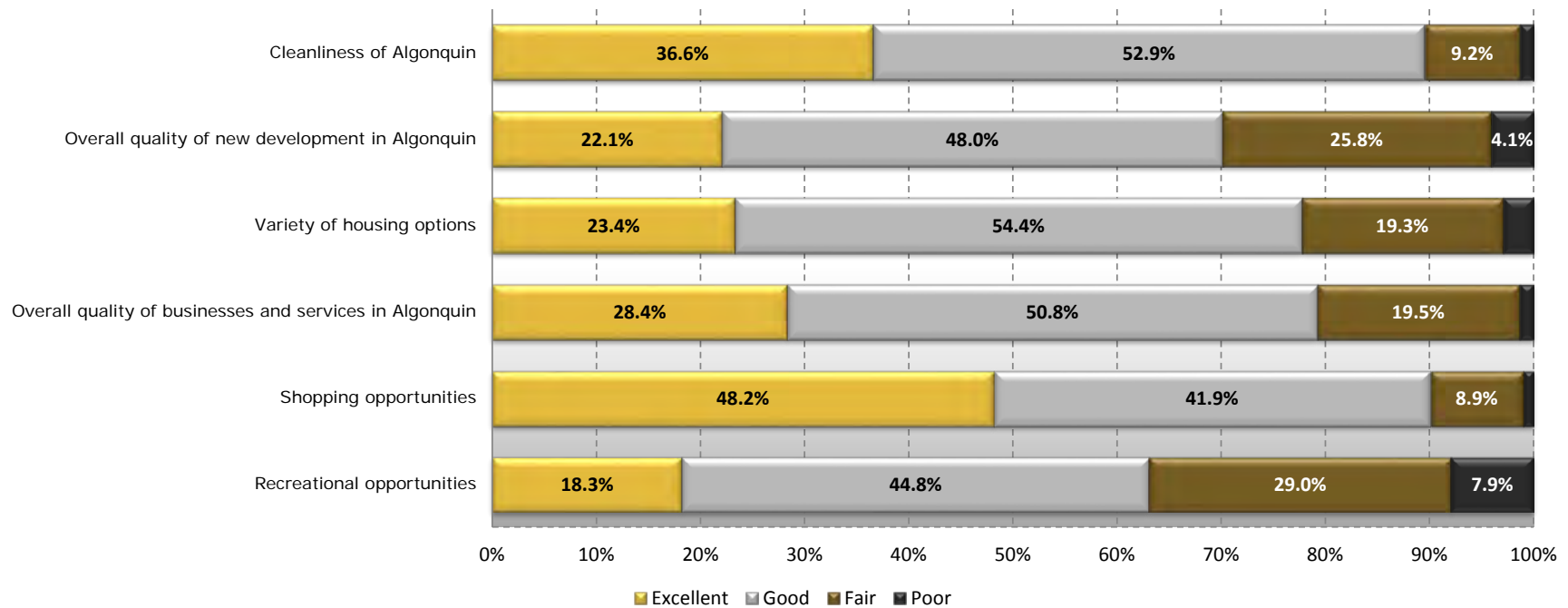
Quality of Life in Algonquin



The above chart illustrates the first of four charts that quantify perceptions of quality of life in Algonquin. **94.4% of respondents rated Algonquin positively as a Place to Live.** Neighborhood as a Place to Live and Shopping Opportunities received similar ratings. An area of concern is Algonquin as a Place to Work (55.8%), which received the lowest rating in this section.

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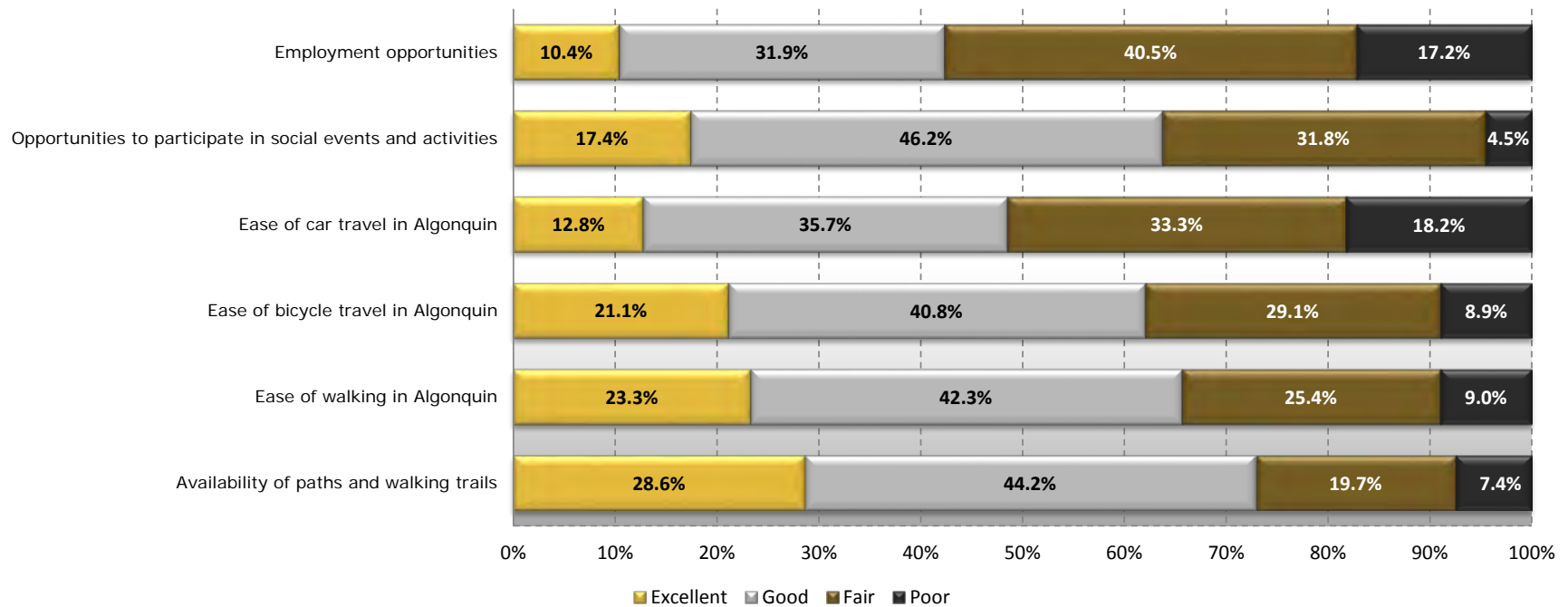
Quality of Life in Algonquin - Part 2



The above chart illustrates the second of four charts that quantify perceptions of quality of life in Algonquin. **90.1% of respondents rated shopping opportunities as positive.** An area of concern is Recreational Opportunities (63.1%), which received a significant number of "Fair" ratings (29%).

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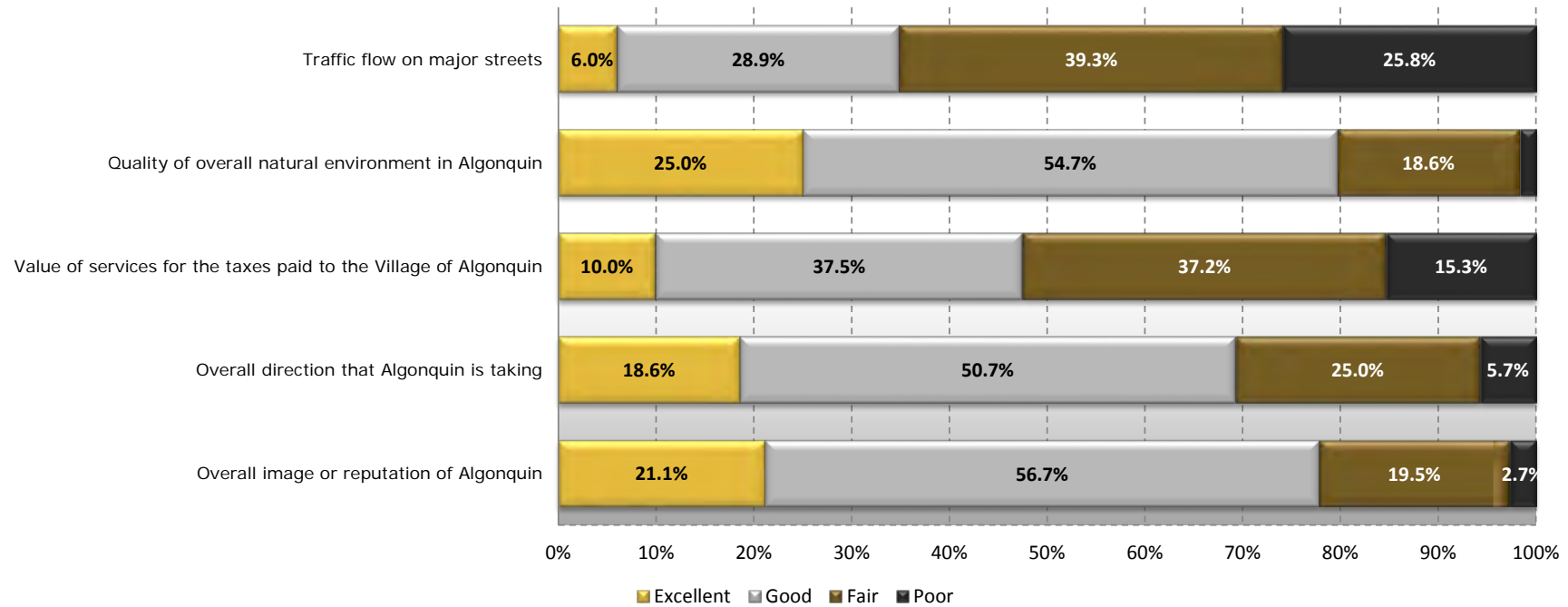
Quality of Life in Algonquin - Part 3



The above chart illustrates the third of four charts that quantify perceptions of quality of life in Algonquin. **72.9% of respondents rated the Availability of Paths and Walking Trails positively.** An area of concern is Employment Opportunities, which 42.3% of respondents rated as positive.

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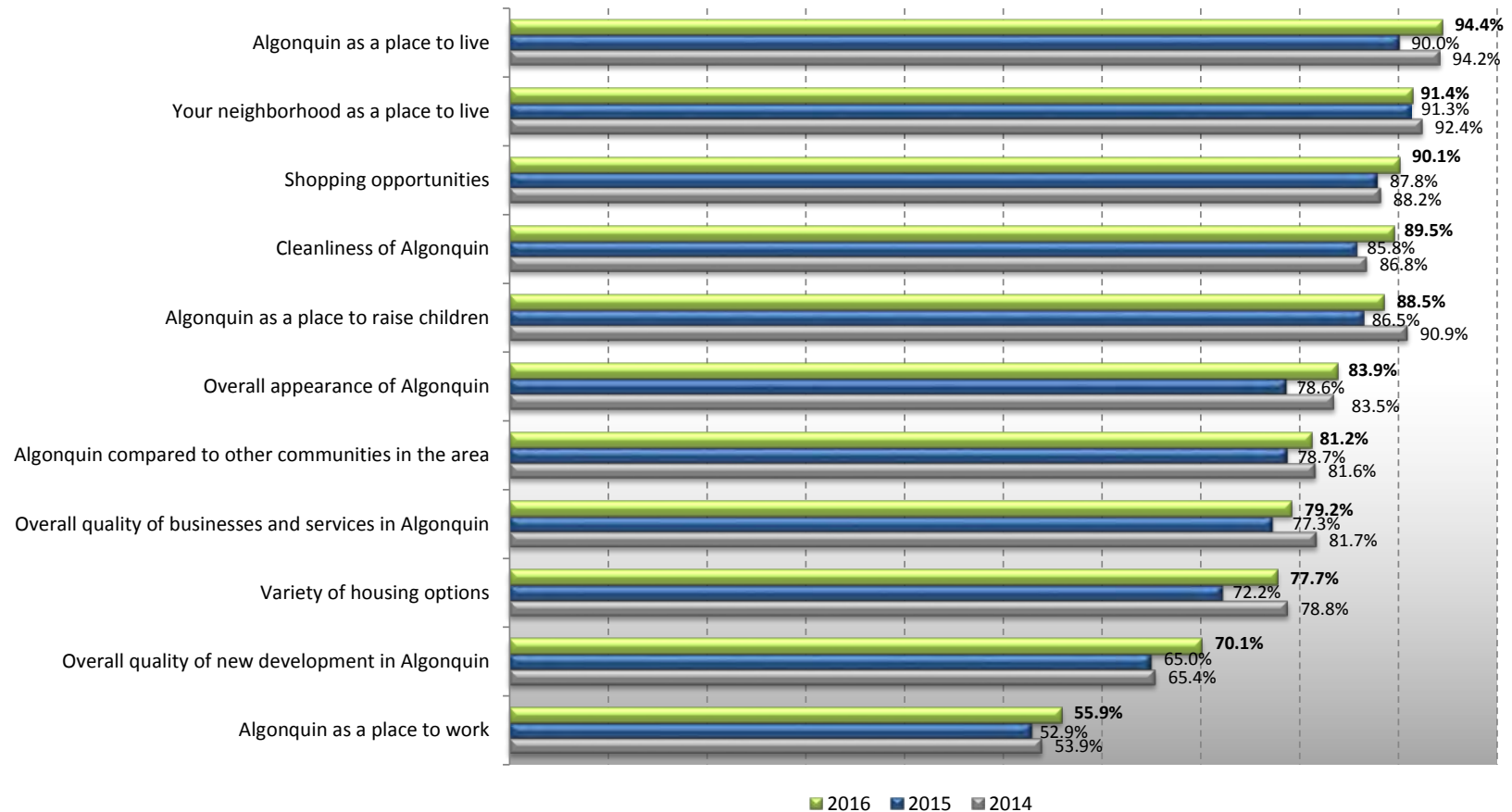
Quality of Life in Algonquin - Part 4



The above chart illustrates the last of four charts that quantify perceptions of quality of life in Algonquin. **79.7% of respondents rated the Quality of Overall Natural Environment in Algonquin as positive.** One area of concern is Traffic Flow on Major Streets which 34.9% rated as positive. Streets such as Algonquin Road, Main Street, and Randall Road are considered "major" and are maintained by either the Illinois Department of Transportation or the Kane or McHenry County Division of Transportation, depending on location.

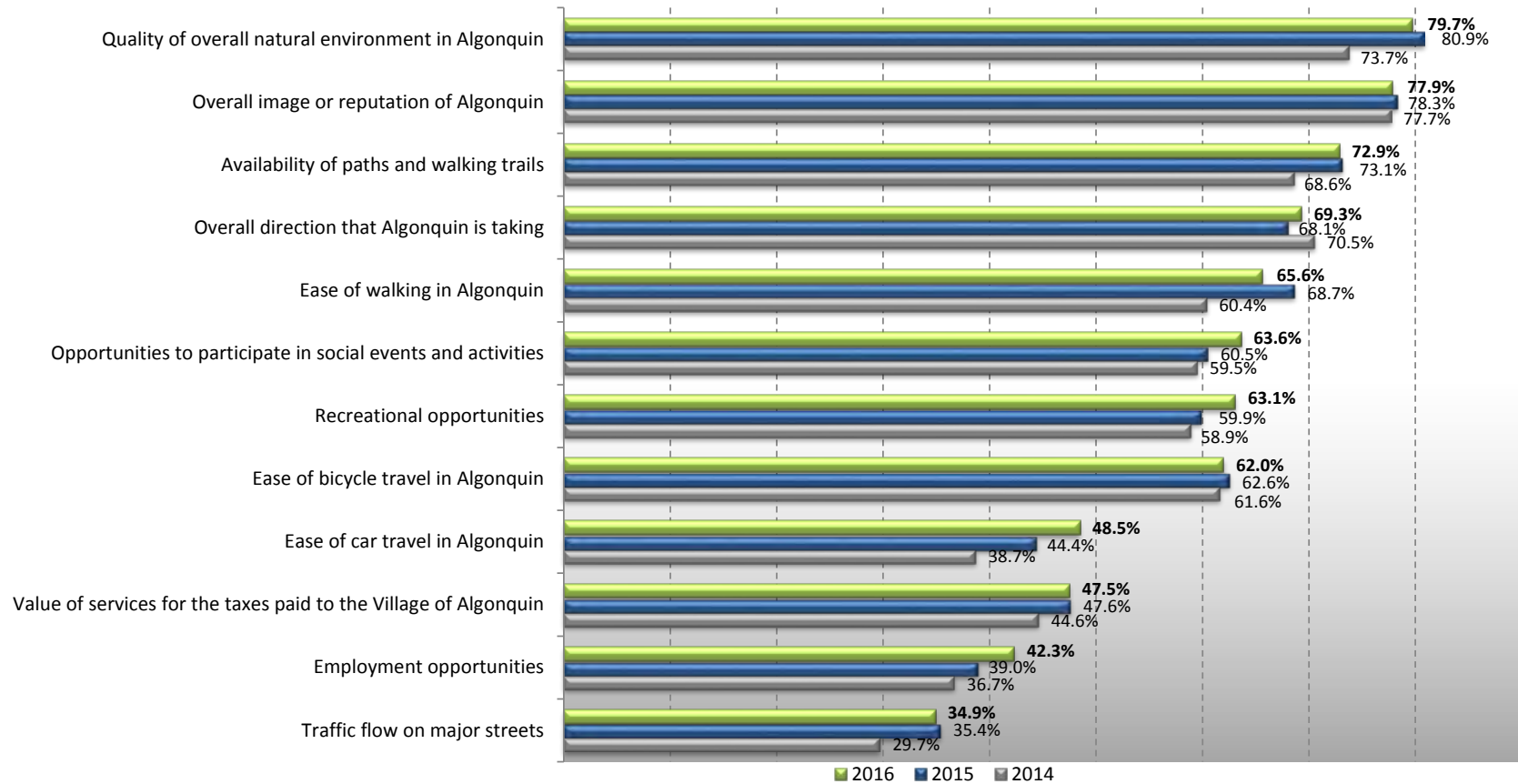
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Quality of Life Year-to-Year Excellent and Good Ratings Comparison: 2014 - 2016



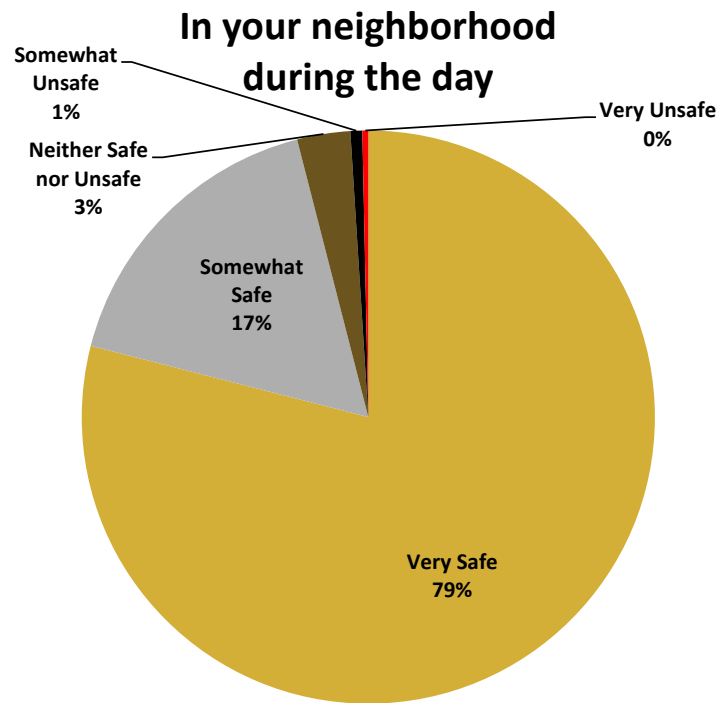
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Quality of Life Year-to-Year Excellent and Good Ratings Comparison: 2014 - 2016 - Part 2

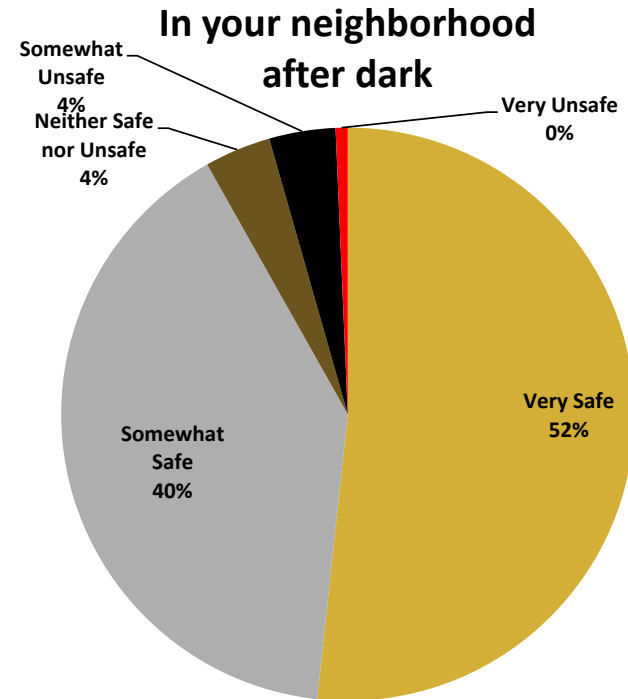


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Public Safety: How Safe Do You Feel...



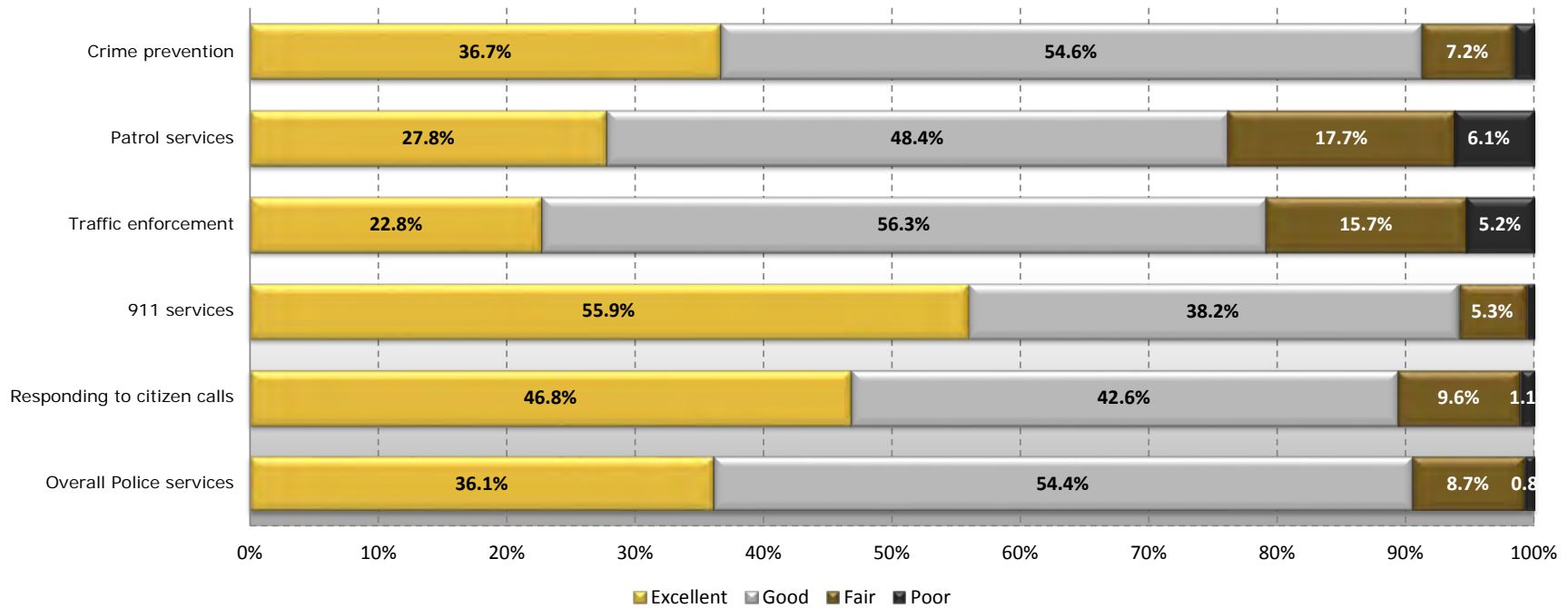
The above chart illustrates respondents' ratings as to how safe they feel in their neighborhood during the day. **Overall, 96% of respondents indicated that they feel either Very Safe or Somewhat Safe.** Less than 1% of residents reported feeling less than safe during the day.



The above chart illustrates respondents' ratings on how safe they feel in their neighborhood after dark. **Overall, 91.8% of respondents indicated that they feel either Very Safe or Somewhat Safe.** 4.2% of the respondents state that they feel less than safe in their neighborhood after dark.

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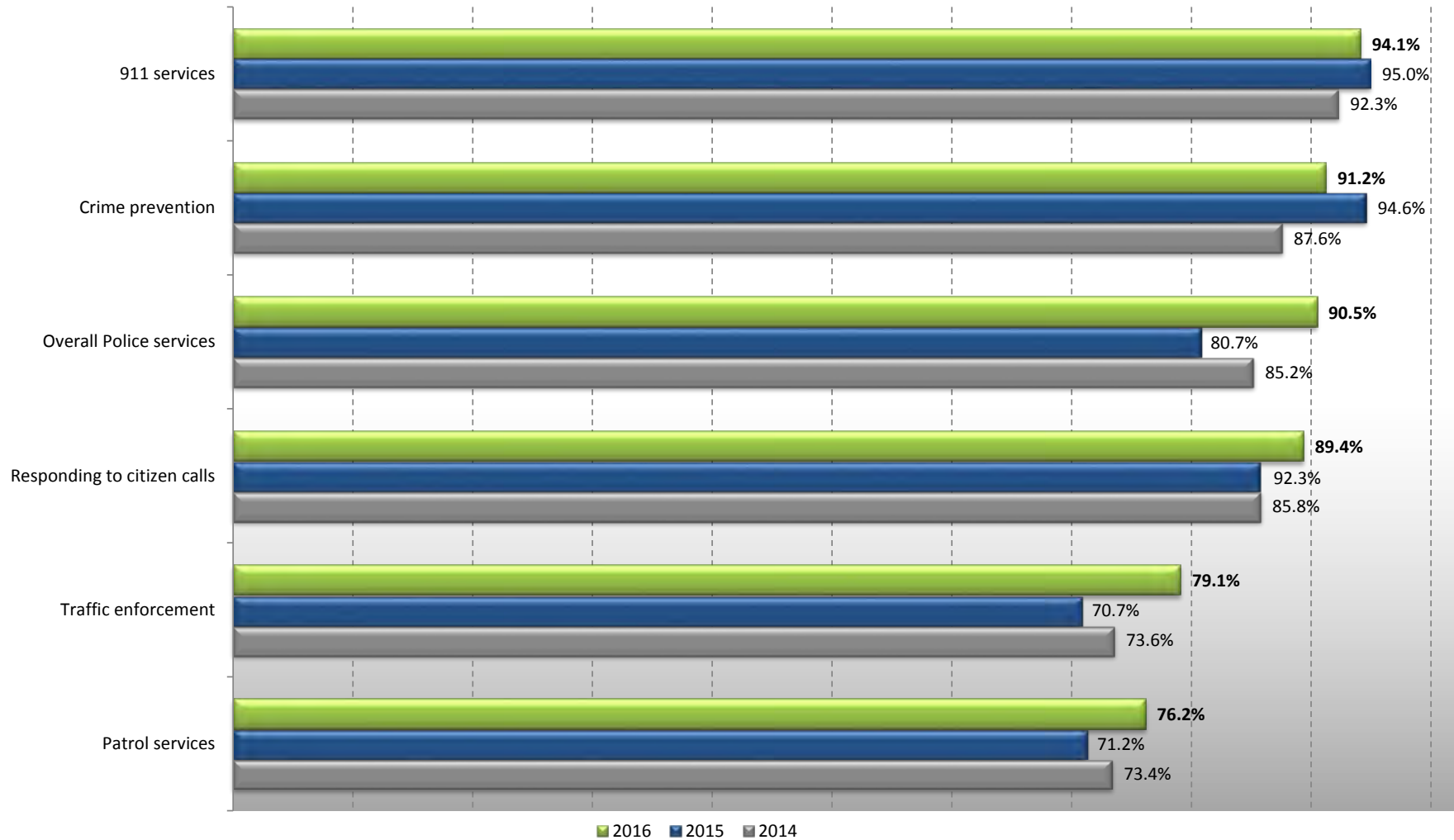
Quality Ratings: Police/Public Safety Summary



The above chart illustrates quality ratings related to police and public safety services. **90.5% of respondents rated Overall Police Services as positive.** The quality of 911 Services, Responding to Citizen Calls, and Crime Prevention are among the highest rated services among those surveyed. The largest increase in positive ratings occurred for Overall Police Services (9.8%).

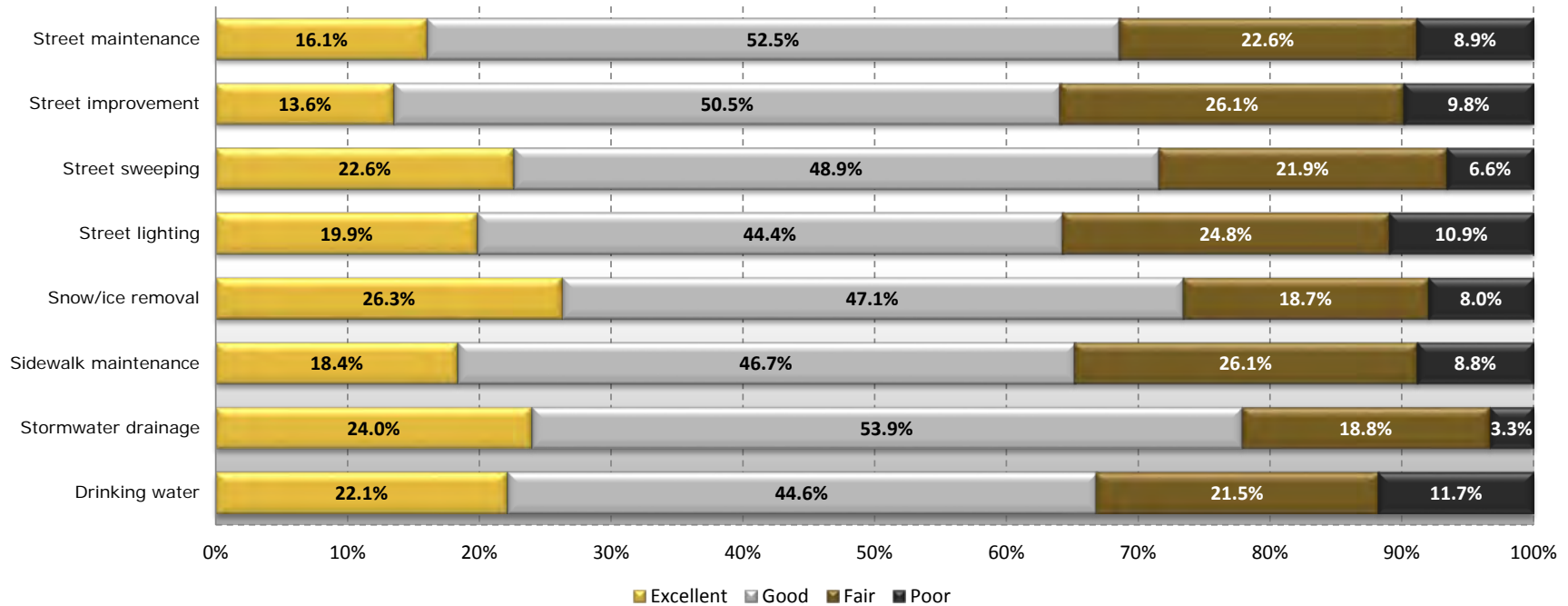
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Police Year-to-Year Excellent and Good Rating Comparison: 2014-2016



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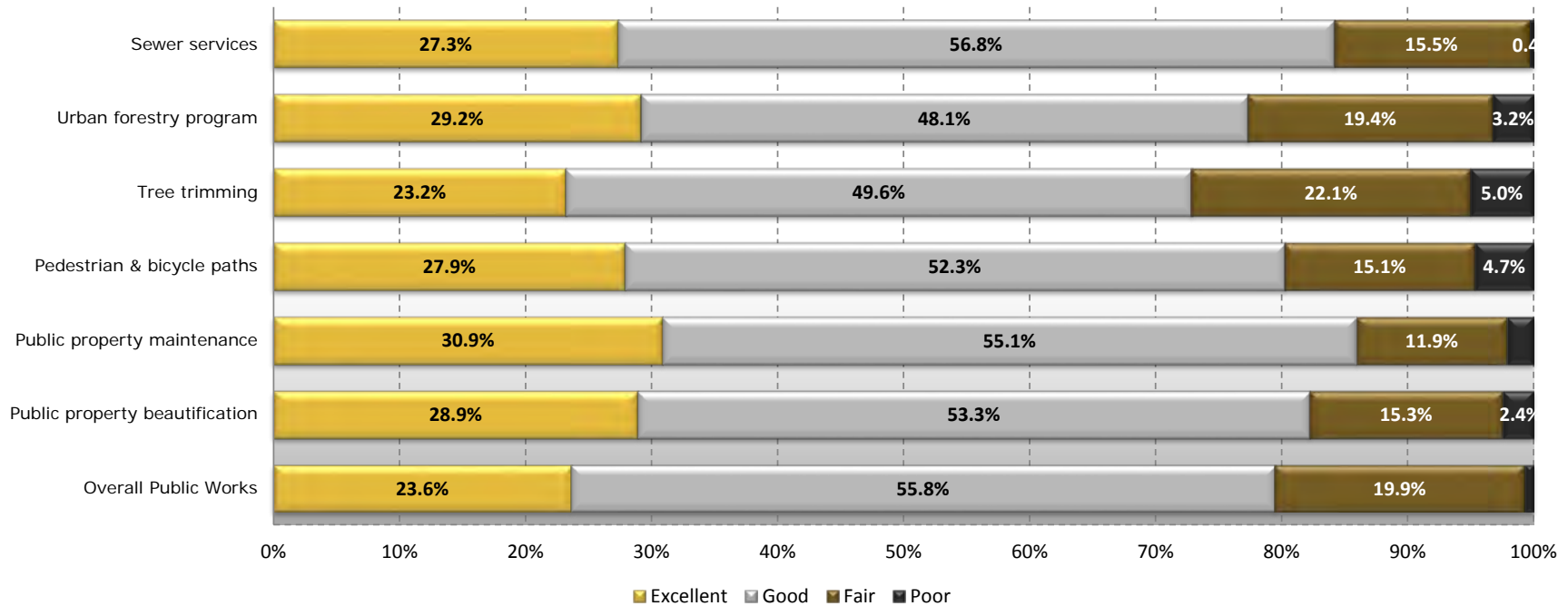
Quality Ratings: Public Works/Infrastructure Summary



The above chart illustrates quality ratings related to public works and infrastructure services. **Services, such as Stormwater Drainage, Street Sweeping, and Snow/Ice Removal rank high in quality with 70% of respondents rating these services as positive.** Drinking Water is an area of concern with 11.7% of respondents rating it as poor quality.

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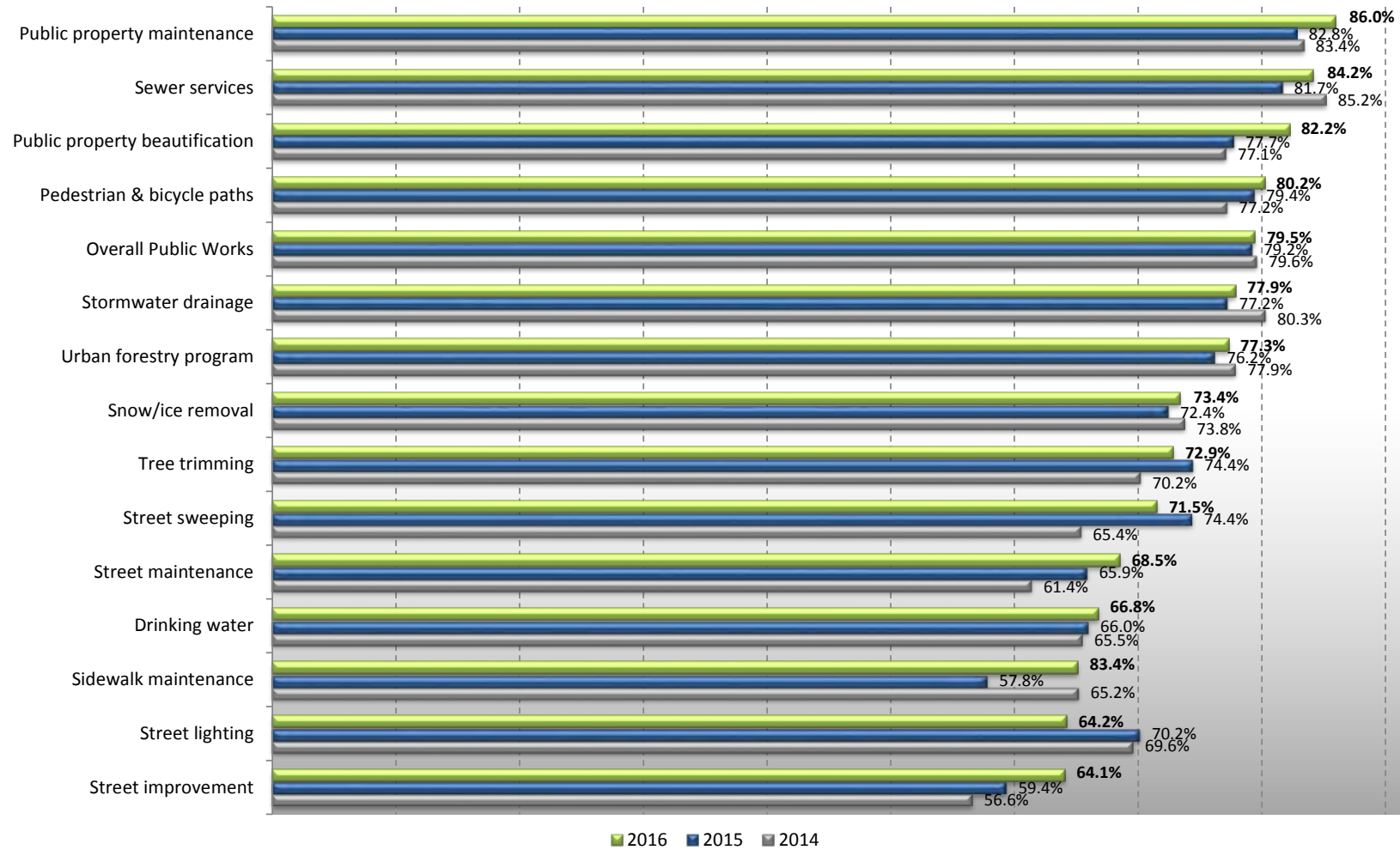
Quality Ratings: Public Works/Infrastructure Summary - Part 2



Above is another chart that illustrates quality ratings related to public works and infrastructure services. **79.5% of respondents rated Overall Public Works services as positive.** All services displayed on this chart rank high in quality with over 70% of respondents ranking these services as positive.

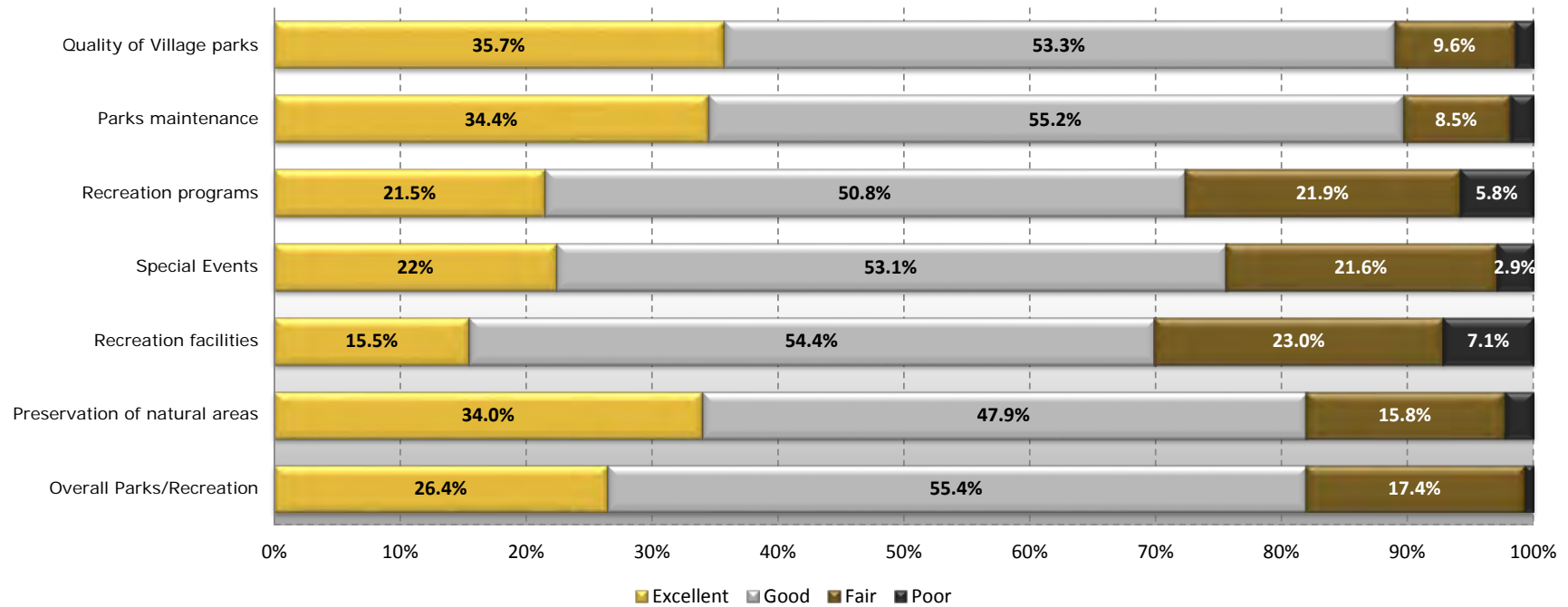
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Public Works Year-to-Year Excellent and Good Rating Comparison: 2014 - 2016



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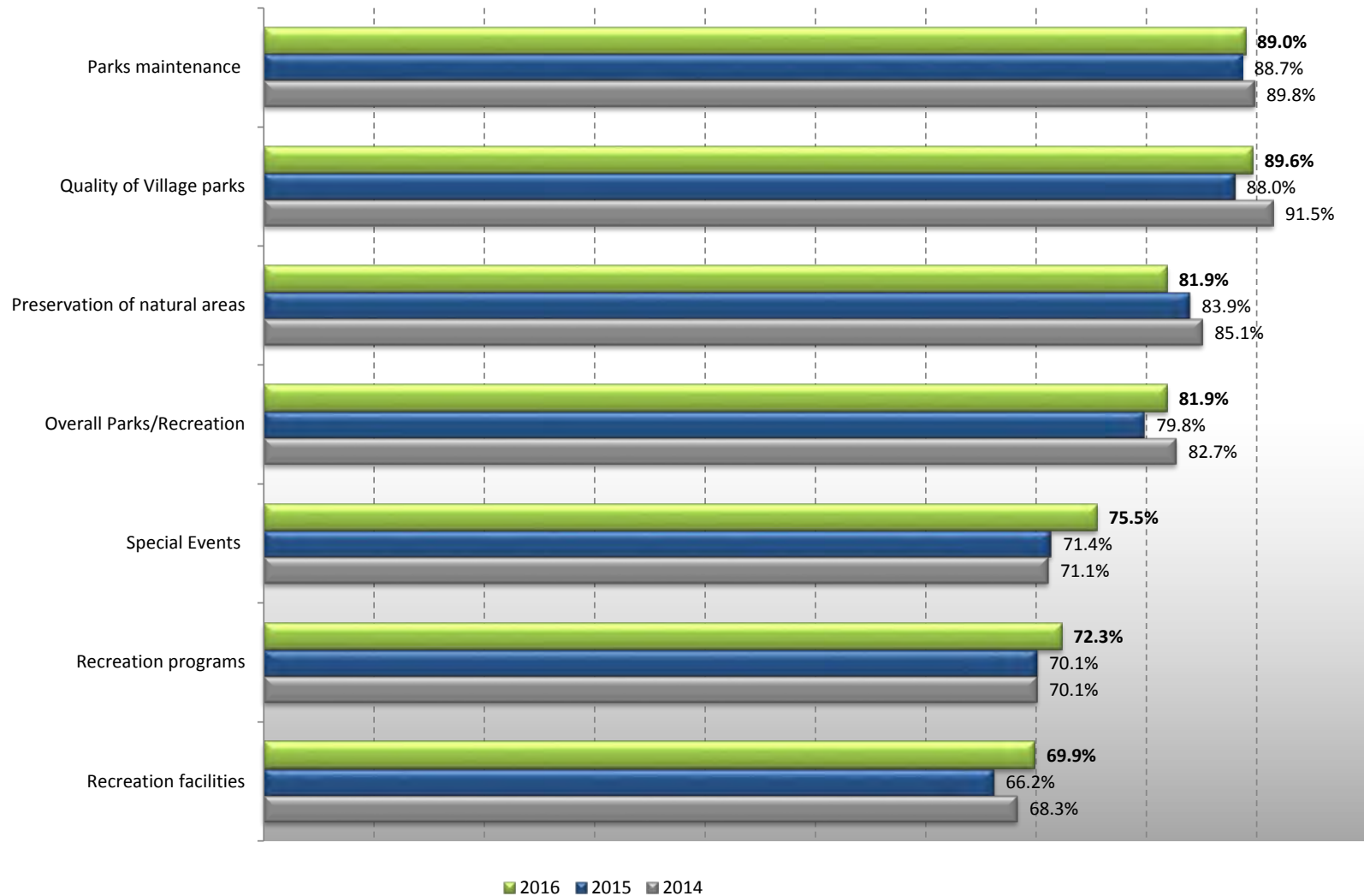
Quality Ratings: Parks/Recreation



The above chart illustrates quality ratings related to parks and recreation services. **Parks Maintenance was rated high with 89.6% of respondents rating it positive.** The quality of Village Parks, Overall Parks/Recreation, and Preservation of Natural Areas all rated high with over 80% positive. Recreation Programs are an area of concern with a positive rating of 69.9%.

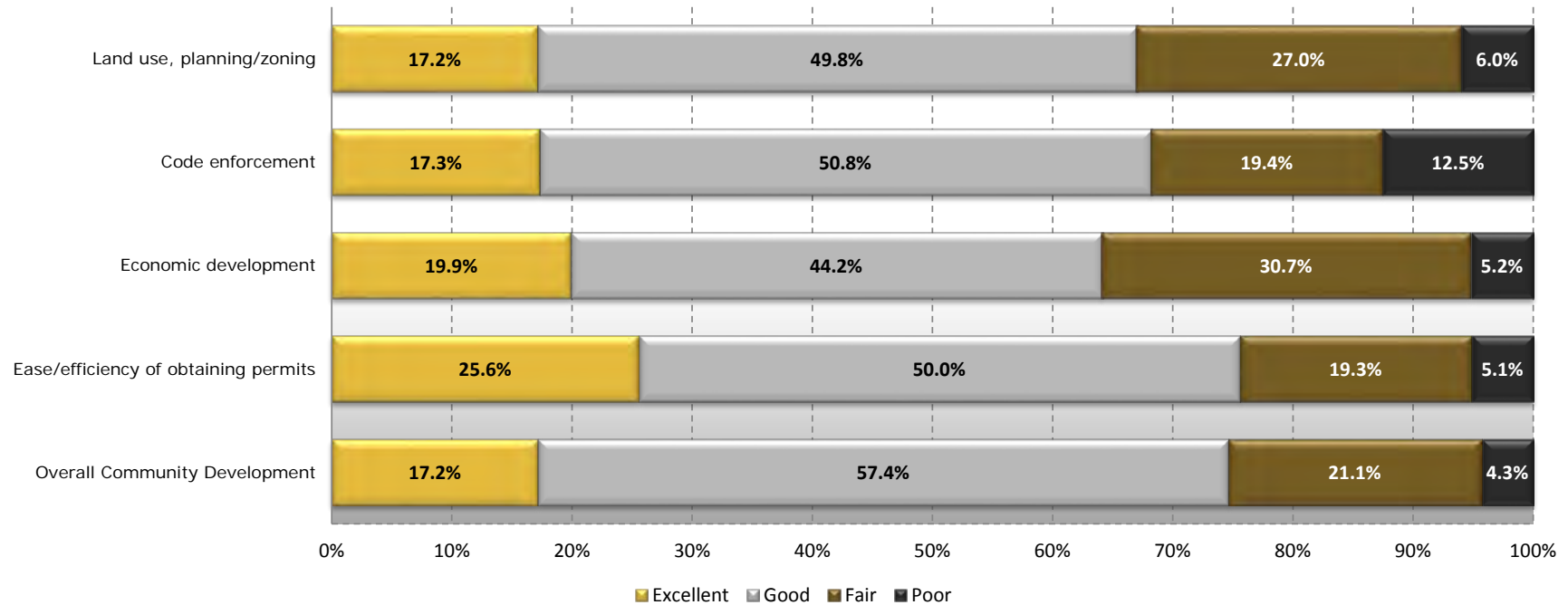
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Parks/Recreation Year-to-Year Excellent and Good Rating Comparison: 2014 - 2016



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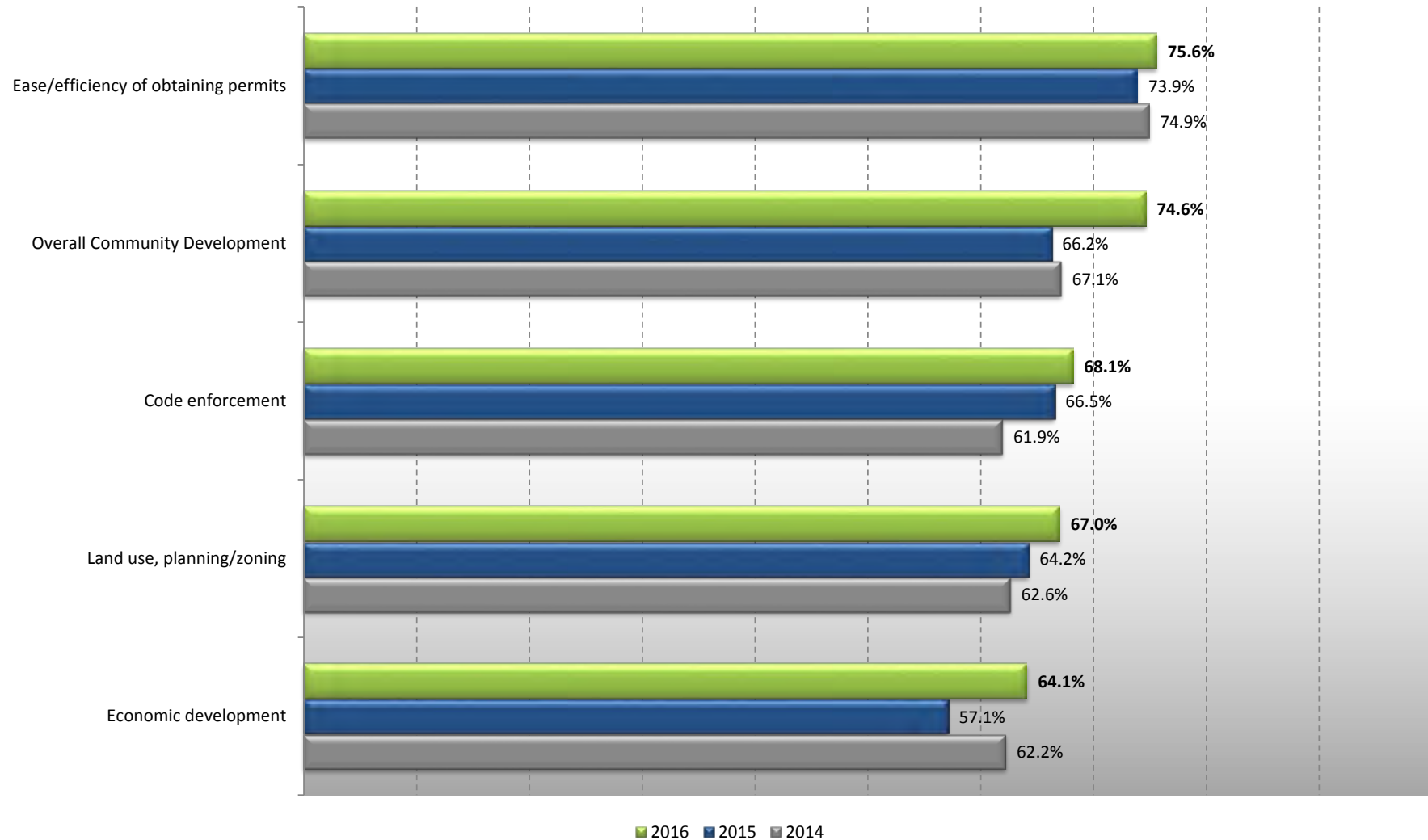
Quality Ratings: Community Development



The above chart illustrates quality ratings related to community development services. **74.6% of respondents rated Overall Community Development as positive.** **75.6% of respondents rated the Ease/Efficiency of Obtaining Permits positive.** An area of concern is Economic Development (64.1%), receiving the lowest rating.

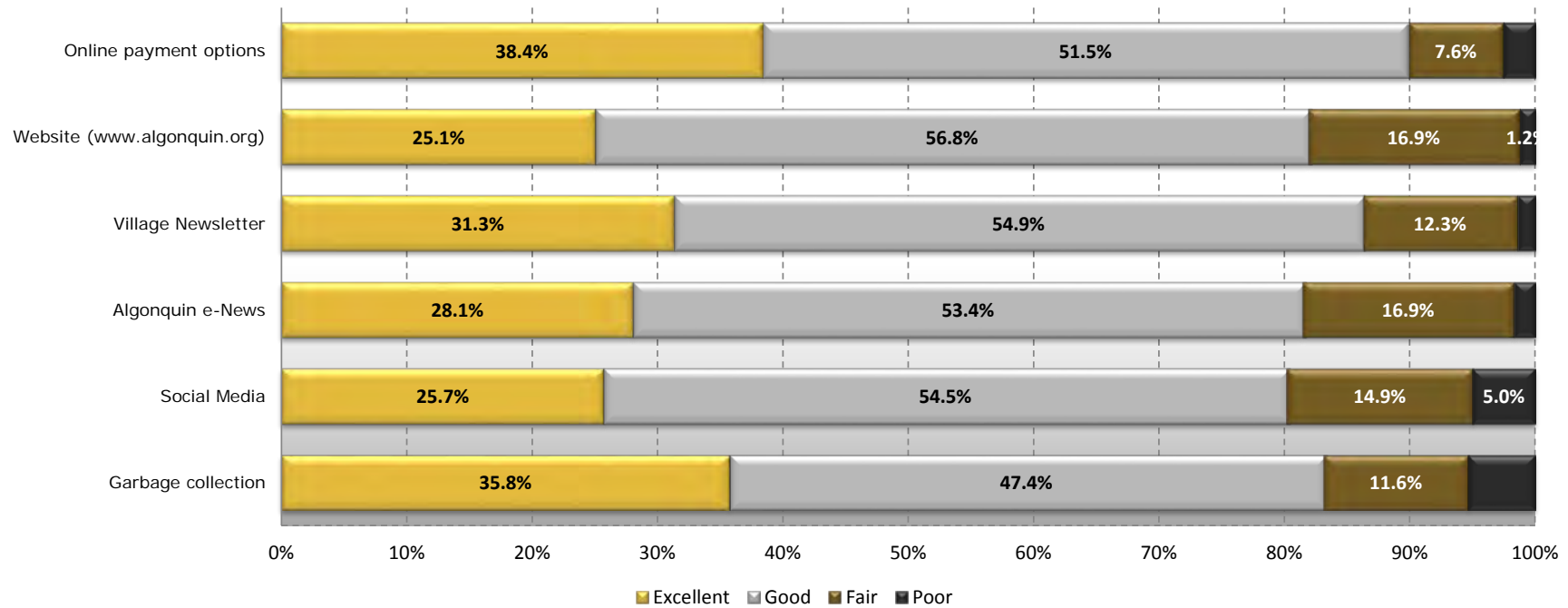
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Community Development Year-to-Year Excellent and Good Rating Comparison: 2014 - 2016



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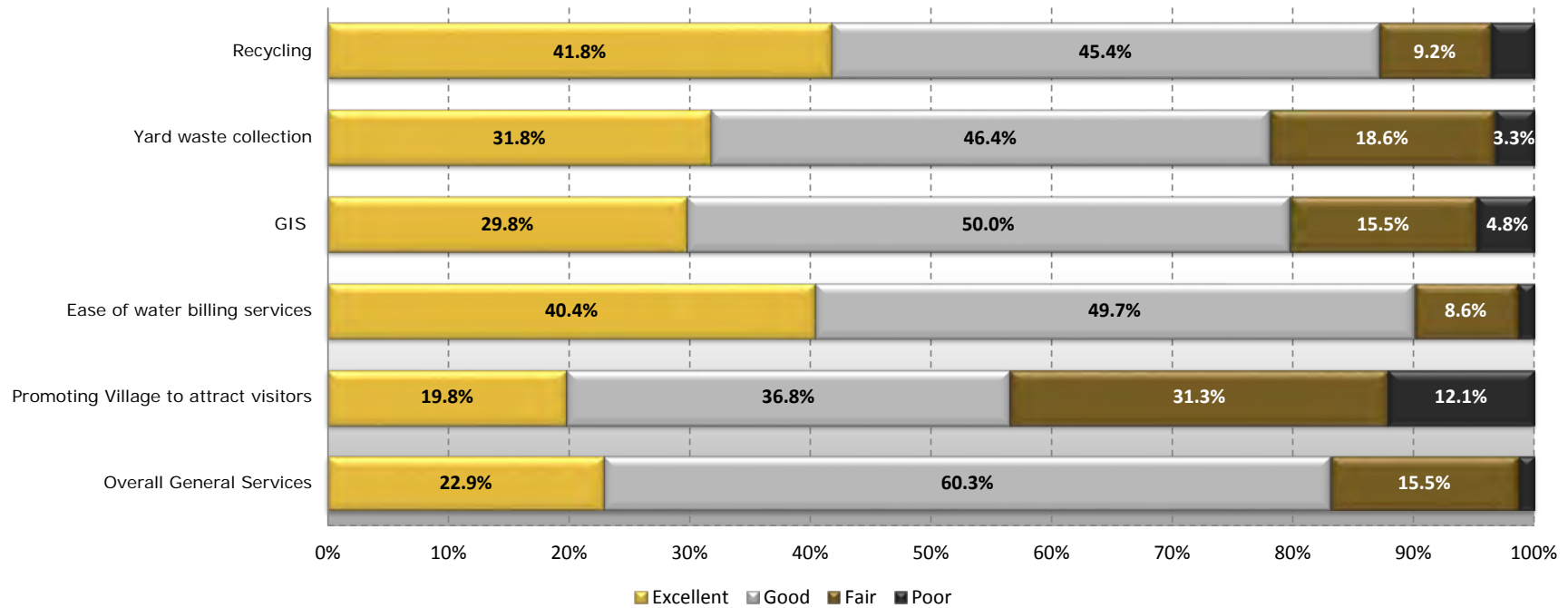
Quality Ratings: General Services



The above chart illustrates the first of two groupings of quality ratings related to general services. **Online Payment received the highest rating in this category with 89.9% of respondents rating this as positive.** All areas in this category are above 80%. The lowest rating (80.2%) received is for Social Media.

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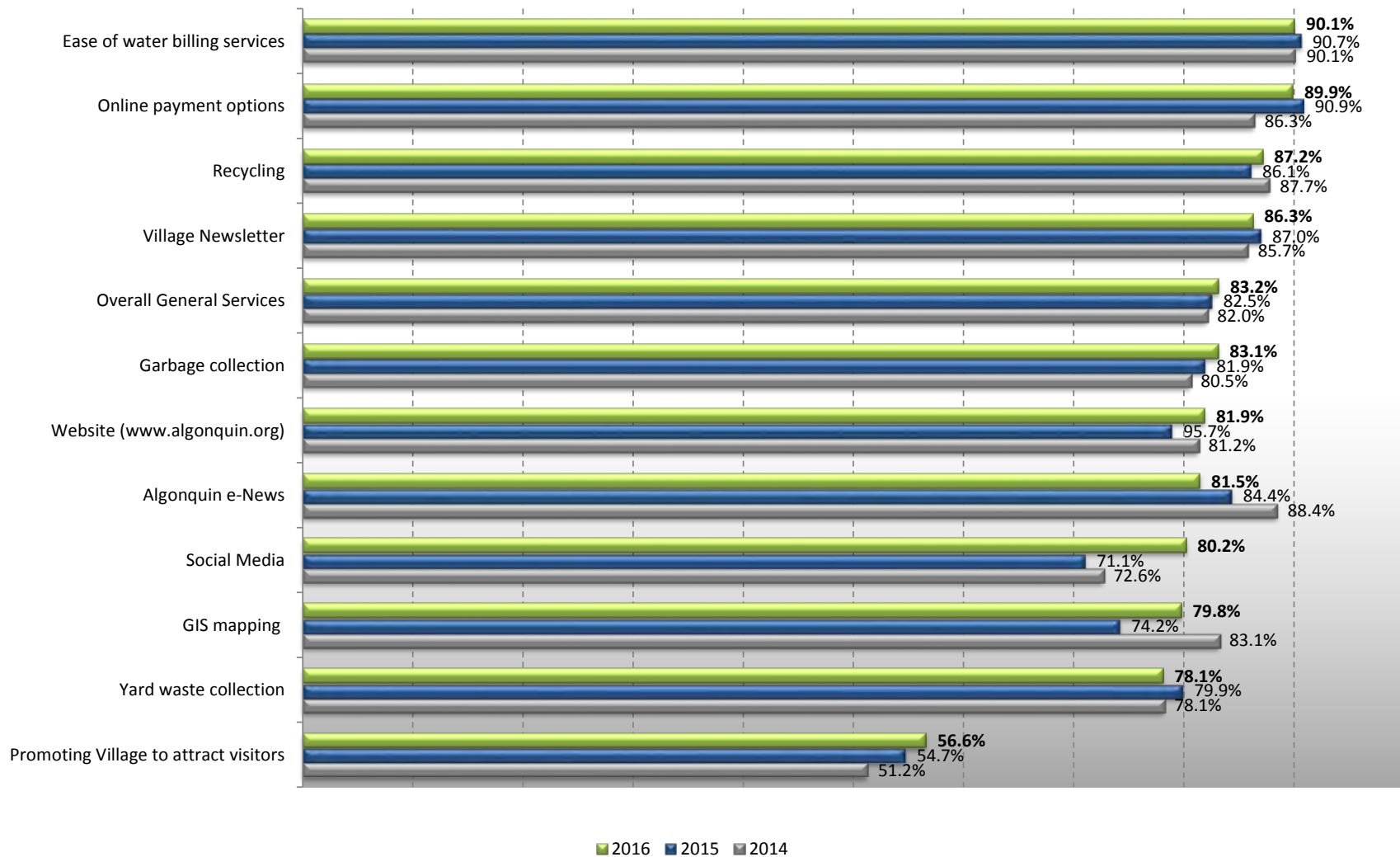
Quality Ratings: General Services - Part 2



This chart shows the second grouping of general services evaluated in the Algonquin Community Survey. **Residents rated the Ease of Water Billing Services positively with 90.1% support.** 83.2% of respondents rated Overall General Services as positive. Promoting the Village to Attract Visitors is an area of concern with 56.6% of respondents rating this category as positive.

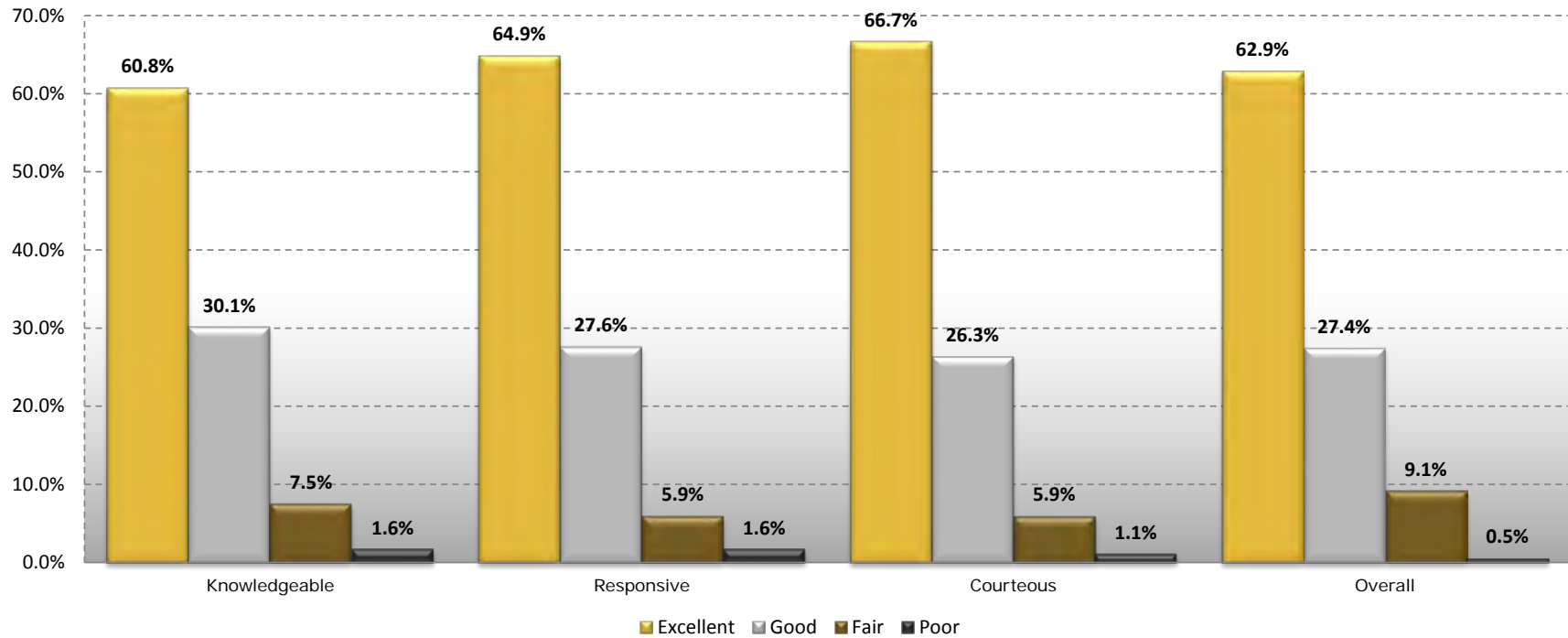
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General Services Year-to-Year Excellent and Good Rating Comparison: 2014 - 2016



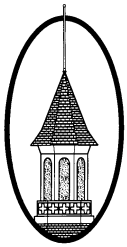
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Village Employee Performance



This chart illustrates the performance rating of Village employees by those residents who have had contact with staff. **Overall, employee interaction was rated overwhelmingly Excellent in all four evaluation categories: Knowledgeable, Responsive, Courteous, and Overall.** Ratings in order of greatest to least are as follows: Courteous (93%), Responsiveness (92.4%), Knowledgeable (90.9%), and Overall (90.3%)

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VILLAGE OF ALGONQUIN
PUBLIC WORKS DEPARTMENT

– M E M O R A N D U M –

DATE: January 6, 2017

TO: Tim Schoneger, Village Manager

FROM: Andrew Warmus, Utilities Superintendent

SUBJECT: Water Meter Replacement – Metron Farnier

Cc: Robert Mitchard, Public Works Director

Metering water consumption is an essential element in the efficiency and conservation management of water production and use. Effective programs measure deliveries of water to customers, helps to control losses by identifying leaks, is necessary in rate making, and helps utilities collect revenues they are due. Meters can only perform these functions if they are accurate, and over time, meters can lose their sensitivity and fail in accuracy. To assure water is being accurately accounted for, meters must be selected, installed, and maintained in accordance with manufacturer's recommendations and/or recommended practices of the AWWA, the American Water Works Association.

The number of water meters within our service area is 10,917, ranging in size from 5/8" diameter to 6" diameter. To maintain peak accuracy, AWWA recommends replacement of water meters at 11 to 12 years of service; nearly 80% of our current meter inventory falls within the 15 to 20 years of age of service. An exhibit has been attached to visually illustrate location and age. Presently, the ways in which we collect data is varied. Meter readings are collected by way of dial up, radio read, a drive by system and manually read.

Realizing the need for replacement, two technologies were evaluated; a fixed based network (Sensus, our current provider) vs. cellular technology (Metron-Farnier). Applying the following criteria, staff evaluated each for timely, accurate, and reliable data, simplifying data collection and labor savings, capital cost, and customer engagement (empowerment).

At the conclusion of our evaluation, which included a 10-year financial analysis and a pilot study of the Metron-Farnier water meters, it is the belief of staff the Metron-Farnier meter utilizing the cellular technology is the better solution for the following:

- Single jet water meter, only one moving part
- One of best meters on the market for low flow measurements
- Lower capital cost, approximately \$500K less than the fixed based system
- No new assets to maintain
- 10-year data package with reliable Verizon 2G service
- Meter readings at 5-minute intervals
- Eliminates need for staff to collect data manually or by drive-by methods, saving days of time per month
- Staff ability to set alert conditions and monitor water usage is far more proactive
- Customer engagement – WaterScope

Financing the replacement program was accounted for within the recent Water & Sewer Rate Study as prepared by RHMG Engineering. Estimated costs provided to RHMG and those used in calculating costs applied in a 10-year financial cost analysis includes:

10,917 water meters, ranging from 3/4" to 6" diameter	\$3,075,935
<u>Installation, outsourced (estimate)</u>	<u>\$1,067,595</u>
Total	\$4,143,530

While the cost per meter will be a fixed cost, installation of said water meters is an estimate, based upon individual installations and the potential for additional expenses due to pipe condition and failed valves.

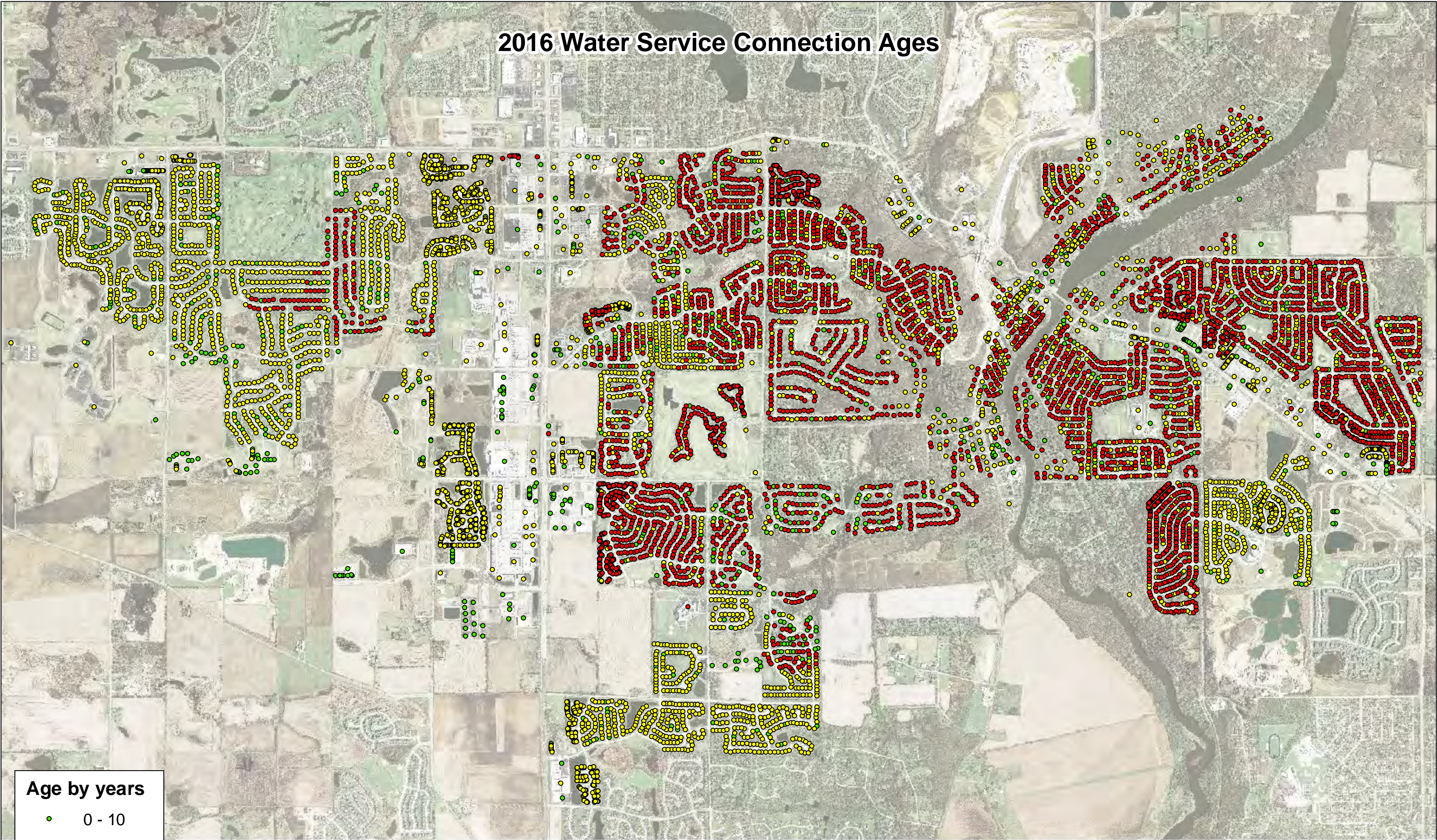
Implementation of this large scale water meter replacement program is both time and funding dependent, and both will be presented to this Committee prior to bulk purchases of water meters and/or contracting with an installation company. At this time, the following schedule of replacement is anticipated, again with approvals of funding.

Year 1, current fiscal year 2016-2017	\$ 75,000
Purchase of large diameter water meters for commercial properties; installation with in-house staff	
Year 2, fiscal year 2017-2018	\$2,034,265
Purchase of remaining large diameter water meters, middle level diameter, and residential water meters; outsourced installation. Approximately 50%	
Year 3, fiscal year 2018-2019	\$2,034,265
Purchase of remaining residential water meters and associated installation; outsourced installation. Approximately 50%	

It is the recommendation of the Public Works Department that the Committee of the Whole authorizes action by the Board of Trustees recognize and approve Metron-Farnier as the sole source for our water meters and to waive a bidding requirement and approve the purchase of the initial bulk order of water meters in the amount of \$75,000.00 to Metron-Farnier of Boulder, Co.

Attachments: Map

2016 Water Service Connection Ages



Age by years

- 0 - 10
- 11 - 20
- 21 - 30