

VALLEY REGIONAL 2016 FOURTH QUARTER REPORT

February 2017





MESSAGE from the CAO

I am pleased to provide the Board of Directors with the fourth quarter report of 2016.

Highlights of fourth quarter activities include:

- Official opening of the Cowichan River dike system with Cowichan Tribes and City of Duncan
- Adoption of 2017 Financial Plan Bylaw
- Substantial completion of the Utility Services Review
- Application for leave to the Supreme Court of Canada regarding contaminated soil facility in Shawnigan Lake
- Completion of household survey with 600 resident responses
- Completion of web-based watershed maps for public access
- Applications to Clean Water and Wastewater Fund for Shawnigan Lake, Saltair, Mesachie Lake, and Cobble Hill water systems and Mill Bay wastewater system.

As you will see in the following report, staff and the Board have made significant progress in furthering the Board's priorities in the fourth quarter of the year.



Brian Carruthers
Chief Administrative Officer



Regional Strategic Focus Areas



Excellence in regional land use planning

Goal: Supporting sustainable and coordinated growth and development in the region.

Action	Measure	Target	Q4 status
Regional Integrated Planning Strategy (Cowichan 2050)	Completion of a draft policy document	• Q1 2017	The project has been endorsed in the 2017 work plan and is expected to be launched in Q1 of 2017.
	Adoption of Regional Integrated Plan by member municipalities and electoral area directors	• Q3 2017	



Response to climate change

Goal: Ensuring the impacts of climate change are understood and appropriate strategies and policies are developed to mitigate and adapt to a changing climate.

Action	Measure	Target	Q4 status
Climate Change Risk Assessment	Establish working group	Q2 2016	Complete
	Complete risk assessment	Q3 2017	Phase 1. Integrated technical team is now in place. Baseline Climate Projections Report to Board in process to complete by March 2017
			Youbou Torrent Flow and Risk assessment grant application approved and will be used as a test case for steep slope and watershed stability impacts on downslope communities.
			Six funding proposals submitted to National Disaster Mitigation Program for detailed engineering impacts of major risks through out the region, four approved (sea level rise, flooding, storm water, dam safety assessments) to move to second tier approval at federal level.
Climate Change Adaptation Strategy	Complete Climate Change Adaptation Strategy	Q2 2018	Background materials, review of best available management information in process and ongoing. Request of Province to participate on Provincial Climate Adaptation working group.
GHG Reduction Strategy	Authorize Strategic Energy Management Plan	Q1 2016	Complete
	Complete Greenhouse Gas Reduction Strategy	Q4 2016	(CVRD facilities) Preliminary greenhouse gas inventory complete. Strategy under development. Annual CARIP reporting to Province in process.

Cowichan Valley Regional District

www.cvrd.bc.ca



Sound fiscal management Goal: Striving for the highest degree of value, transparency and accountability in the management of the CVRD's resources.

Action	Measure	Target	Q4 status
Service delivery reviews	Develop priorities for future service delivery reviews Complete external review of water and sewer utilities	Q3 2016 Q4 2016	Complete. Process referred to priority based budget. Work underway. Executive Summary report received on December 16. Final report expected Q1 2017.
Asset Management Plan	Collect and compile sufficient asset data	Q4 2016 – 25% Q4 2017 – 50% Q4 2018– 75%	Q4 2016 target achieved. Ongoing work to compile data
	Complete infrastructure condition assessments	Q4 2016 – 20% Q4 2017 – 40% Q4 2018– 75%	Preliminary condition assessment completed. Developed framework and budgets to complete comprehensive condition assessments
	Develop asset management strategies and plans	Q4 2017 – 20% Q4 2018– 50%	No update



Sound fiscal management Goal: Striving for the highest degree of value, transparency and accountability in the management of the CVRD's resources.

Action	Measure	Target	Q4 status
Corporate performance	Complete 2014-2018 Strategic Plan	Q1 2016	Approved by Board
measurement	Initiate quarterly reporting	Q2 2016	Complete
	Complete 2016 Annual Report	Q2 2017	No update
Budget transparency	Refine the annual budget calendar	Q1 2016	Completed Q2
	Initiate a trial priority based budget process with solid waste function	Q1 – Q4 2016	Parks and Trails Division identified for priority based budget process in 2017.
	Develop budget public engagement strategy	Q2 2016	Four public budget open houses in Q4 in South Cowichan, central, west and north sub-regions. Attendance averaged five to 10 residents per meeting.



Protection of water resources

Goal: Working in partnership with other stakeholders to better understand and protect the region's water resources and promote sustainable water use.

Action	Measure	Target	Q4 status
Watershed Management Plans	Complete draft watershed analysis/characterization	Q1 2016	Complete and secondary analysis in process in line with the development of unique watershed plans.
	Contribute to prioritization of watershed management planning	Q4 2016	Web-based watershed maps, both internal and external, are ready to launch in January 2017.
	Complete value/risk assessment	Q2 2017	Standardized regional watershed management plan framework developed and in process. Draft reports for input from key collaborators (meeting in December cancelled due to weather).
	Consideration of values/risks in land use planning processes and decisions and develop environmental recommendations	Q4 2017	Draft framework developed for input by key collaborators As above risk assessment framework currently being developed. Climate change based projections currently being integrated to mapping data for detailed impact assessments.
			Background discussions with other local governments on Best Management Practices ongoing.



Protection of water resources

Goal: Working in partnership with other stakeholders to better understand and protect the region's water resources and promote sustainable water use.

Action	Measure	Target	Q4 status
Cowichan Lake water storage	Support efforts to increase water storage on Cowichan Lake	2016	Terms of Reference for flows analysis complete. Meetings held with Provincial and Federal agencies to explore funding opportunities for flows analysis and engineering. Application for funding submitted to Clean Water and Wastewater Fund. Drone data capture and mapping completed for Cowichan Lake shoreline zone to provide a more useful tool for public outreach and discussion. Q2 2017 will develop a web based platform for communication purposes
	Work with Province and others to develop financial and legal frameworks for drought management and response plans	2016	Ongoing discussions with Forest Lands Natural Resource Operations re water resources and communications, ongoing work with Ministry of Agriculture. Input provided to the Province on local government policy and legal framework requirements. Public Safety updating wildfire and urban fire impact mapping.
	Undertake process for creation of a service establishment bylaw as necessary	2016-2017	Communication with relevant stakeholders regarding communication program completed. Outreach and input to AAP development will begin in January 2017.



Engaging our communities

Goal: Enhancing the CVRD's engagement with residents and our communities and ensuring opportunities for local input to decision-making.

Action	Measure	Target	Q4 status
Formalize First Nations relationships	Hold community-to-community forum with Lake Cowichan First Nations	Q1 2016	Protocol signed April 29. Ongoing meetings
	Hold community-to-community forum with Ditidaht First Nations	Q2 2016	No progress
	Finalize framework for engagement protocols with First Nations	Q3 2016	Under development pending further discussions with First Nations partners
Community engagement	Develop AAP policy and procedures	Q1 2016	Completed Q2
policy/guidelines	Complete community engagement guidelines	Q3 2016	Under development. Workshop planned for Q2 2017
Enhancing communications	Implement Manager of Strategic Services position	Q1 2016	Complete
capacity and tools	Develop and deliver appropriate training	Q1 – Q3 2016	Staff survey to be conducted in Q2 2017 to identify future training needs.
	Establish communications calendar	Q2 2016	Complete



Engaging our communities

Goal: Enhancing the CVRD's engagement with residents and our communities and ensuring opportunities for local input to decision-making.

Action	Measure	Target	Q4 status
Commission roles and structure review	Proposed Commission bylaw amendments presented to the Board	Q3 2016	Report and bylaw prepared to be presented in Q12017 with focus on Parks Commissions
Conduct regular household surveys in 2016 and 2018	Develop and distribute household surveys	Q2 2016	Survey completed Q3. Report to be presented to Board in January 2017
		Q2 2018	2018 survey will reflect 2016 survey



Electoral Strategic Focus Areas



Responsive Official Community Planning Goal: Enhancing the capacity for OCP reviews and updates as well as harmonizing language for common land use objectives and policies, where possible while respecting the character and aspirations of each community.

Action	Measure	Target	Q4 status
Gap analysis of existing OCPs and zoning bylaws	Review zoning bylaw general regulations for the electoral areas against best practice. Propose a priority list for identified amendment	Q2 2017	No update
Bylaw amendments as required	Adopt for Areas B, E and F three comprehensive zoning bylaw amendments	Q4 2017	No update
Develop a trial format for an accelerated review of Area F OCP	Complete OCP draft for Electoral Area F	Q4 2016	First draft complete. Will be presented in Q1 2017
	Adopt new Area F OCP	Q3 2017	
Develop five-year OCP review strategy	Present a proposed five-year strategy to EASC	Q4 2016	The process has been delayed
Conduct a review of Area I OCP	Complete OCP draft for Electoral Area I	Q4 2017	No update
7.1.34.1.00.	Adopt new Area I OCP	Q1 2018	



Proactive approach to bylaw compliance

Goal: Enhance public awareness of relevant regulatory bylaws in order to reduce the number of infractions and mitigate costs of pursuing enforcement and remediation.

Action	Measure	Target	Q4 status
Develop a welcome/information letter program for all new property owners in electoral areas	Develop format for each electoral area Distribute letter to all new property owners	Q2 2016 Q3 2016	Complete. First letters mailed
			in Q4
Initiate targeted information campaigns for problematic enforcement issues	Research best practices for enforcement campaigns	Q3 2016	Marketing strategy developed for 2017 dog licence campaign to increase compliance.
Identify gaps in current enforcement	Review current deficiencies in enforcement powers and authorities	Q4 2016	No progress
powers and authorities and	Revise/meet CVRD regulatory bylaws as necessary	Q4 2017	
advocate for enhanced enforcement authority	Submit appropriate resolutions/recommendations to UBCM, AVICC and Province	Ongoing	



Electoral area director development

Goal: Develop Director's knowledge and capacity to fulfill their range of responsibilities as an elected official and community representative

Action	Measure	Target	Q4 status
Establish 12 month lunch and learn calendar	Complete calendar and have endorsed by EASC	Q1 2016	Three lunch and learns held in Q4
Professional development on public engagement and facilitation tools	Recommendations for appropriate professional development opportunities provided to EASC	Q3 2016	Workshop to be held in Q1 2017



Engaged communities

Goal: Support and empower volunteer involvement to ensure rewarding and beneficial relationships for the CVRD and its volunteers

Action	Measure	Target	Q4 status
Develop strategy and guidelines for use of volunteers in CVRD	Research volunteer delivery programs offered by other local governments	Q2 2016	Delayed
functions	Identify range of possible volunteer opportunities and administrative support requirements	Q4 2016	Delayed
	Present draft strategy and guidelines to EASC	Q2 2017	



Road safety/pedestrian pathways

Goal: Improve pedestrian/cycling safety on rural roads by developing a network of on-roadway and off-roadway pedestrian pathways and trail linkages

Action	Measure	Target	Q4 status
Develop inventory of critical pedestrian pathway requirements	Identify key roadside pathway community connections between Electoral Areas, member municipalities and adjacent regions	Q2 2016	In progress. CVRD staff continues to meet with Ministry staff to evolve the concept
Lobby AVICC for increased participation of MOTI in developing rural pedestrian pathways in highway RoWs	Attend Association of Vancouver Island and Coastal Communities (AVICC) workshop at annual convention as well as Minister meetings at annual conventions	Q2-Q3 2016	Complete



Project	Tasks	Status
Cowichan Lake Recreation	Replace arena dehumidifier.	Project completed.
Island Savings Centre	Parking lot pavement project.	Project completed.
Island Savings Centre	Construction of an ice melt pit.	Project completed. As well as the north end exterior wall cladding project.
Island Savings Centre	Replace wooden floor in multi-purpose hall.	Project deferred to 2017 to confirm the donation and suitability.
CVRD Head Office	Property improvements for previously demolished house at 148-1 st Street.	 Project is on hold. Options being reconsidered in 2017. Conceptual design for an extended parking lot completed and discussion with the City of Duncan regarding the Development permit application has taken place.
North Oyster Fire Department	Land purchase and new fire hall build.	 Work underway. BC Ministry of Transportation and Infrastructure rezoning application in progress. Fire hall design, development & construction under review.
Youbou Fire Department	Fire truck purchase.	 Work underway. Contract awarded & construction commenced with delivery expected by April 2017.



Project	Tasks	Status
Kerry Park Upgrades	Design and complete phase one and two of facility upgrades.	 Majority of the upgrades completed including: Front entrance, canopy and walkway improvements. Replacement of flat roof at front of facility. Replacement of arena sports flooring. Replacement of interior ceiling including new LED energy efficient lighting for the Denis Mclean room, lounge and hallway. New exterior facility cladding and insulation project, except for final paint application will be completed in spring 2017. Replacement of floor finishes and HVAC upgrade projects are delayed to 2017.
Lambourn Wastewater Plant Upgrades	Complete the Lambourn wastewater treatment plant upgrade.	100% complete
3 Stream Upgrades at Bings Creek	Complete design preparation for the new three stream operation at Bings Creek Waste Solid Waste Management Complex.	 Work is underway. Due to severe weather conditions, concrete pouring was postponed in December 2016. Approximately 50% of the project was completed by December 31, 2016. Weather permitting, aim to complete the project by mid February 2017.



Project	Tasks	Status
Meade Creek Transfer Station Upgrades	Complete the design of the Meade Creek transfer station upgrades and closure plan.	 Work is underway. Draft Detailed Design was completed by December 31, 2016. Public consultation through website and Open Houses will be completed by January 31, 2017. Tender Package to be completed by March 31, 2017.
Shawnigan Lake North Water Metering	Complete the Shawnigan Lake North water metering project.	 Work underway. 89% of services located. Contract for 152 meter installations being prepared and Tendered.
Burnham Park Water System Upgrades	Design and construct the Burnham Park Water System upgrades.	 Work underway. Crown lease application, and design for treatment building. Q1 2018
Sediment Removal and Long Term Management Plan	Complete development of long term Sediment Management Plan for Cowichan River, develop removal locations and test methodology.	 Complete. Additional removal undertaken by Cowichan Tribes in Summer of 2016 as per plan Year 2 of monitoring program completed. Year 3 monitoring and compensation program in development. Ongoing program to be facilitated by Environmental Services under Diking Authority.
Cowichan River Dikes	Complete diking network above on both sides of river to Allenby Road Bridge.	 Complete – ongoing program to be facilitated by Environmental Services under Diking Authority.



Project	Tasks	Status
Saltair Water System	4-3-2-1 Treatment Upgrade	 Work underway. In Q4: Investigation of ground water alternative and/or combining with Ladysmith's treatment system
Shawnigan Lake North Water	4-3-2-1 Treatment Upgrade	 Work underway. In Q4: Investigation of groundwater alternatives.
Youbou Water System	Tie-in Well No. 4	 Work underway. Contract documents being prepared.
Saltair Water System	Annual distribution system replacement/upgrade	 Work underway. Negotiating Right-of-Way. Design work started for 2017 portion.



Summary Water Sample Results: October 1 – December 31

Water System	Sample Frequency	No. of Sample Locations	Parameter Exceeded	Total Count (MAC CDWG = <1)	NOTES
Arbutus Mountain Estates	Weekly	5	None	< 1	
Arbutus Ridge	2 samples/weekly	6	None	< 1	
Bald Mountain	Weekly	7	None	<1	
Burnum	Weekly	2	None	< 1	
Carlton	Weekly	3	None	< 1	
Cherry Point	Weekly	4	Total coliform	13	Re-sample <1
Dogwood Ridge	Weekly	2	None	< 1	
Douglas Hill	Weekly	3	Total Coliform	18	
Fern Ridge	Weekly	2	None	< 1	
Honeymoon Bay	Weekly	4	None	<1	
Kerry Village	Weekly	3	None	< 1	
Lambourn Estates	Weekly	4	None	< 1	
Mesachie Lake	Weekly	3	Total coliform	1	Re-sample <1
Saltair Water	2 samples/weekly	9	Total coliform	24	1, re-sample < 1
Satellite Park	Weekly	3	None	< 1	
Shawnigan Lake North	2 samples/weekly	8	None	< 1	
Shellwood	Weekly	4	None	< 1	
Youbou	2 samples/weekly	7	Total coliform	1	Re-sample <1
Woodley Range	Weekly	5	None	< 1	

^{* &}lt;1 = LESS THAN 1



Summary Water Sample Results: October 1 – December 31

Boil Water Advisories

WATER SYSTEM	ADVISORY TYPE	DATE OF ADVISORY	REASON FOR ADVISORY
Boil Advisories for Q4 201	16		
None			



Significant Operational Issues: October 1 – December 31

WATER SYSTEM	SIGNIFICANT OPERATIONAL ISSUE	RESOLUTION/ TIMELINE
Lambourn Estates	Water quality issues (High Manganese levels).	Ongoing
Shawnigan Lake North	Out of compliance with 4-3-2-1 surface water source standards.	Completion in 2019
Woodley Range	 Insufficient water supply during dry seasons, requiring bulk water delivery when production wells run dry due to no rain. 	Ongoing
Saltair Water	Out of compliance with 4-3-2-1 surface water standards	Q2 2018. We are planning to apply for an extension.



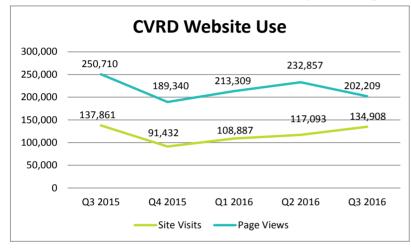
Significant Operational Issues: October 1 – December 31

SEWER SYSTEM	SIGNIFICANT OPERATIONAL ISSUE	RESOLUTION TIMELINE
Arbutus Ridge	 Wastewater breakout occurring on Fairway 2 & 3. Temporary repairs completed; Major upgrade needed. 	Consultation complete. Consent by petition Q1 2017
Cowichan Bay/Eagle Heights	Insufficient wet weather capacity in collection system; swabbing forcemain for I/I reduction	Swabbing complete. Trial procedures for infiltration and inflow reduction being investigated.
Kerry Village	No monitoring well - triggering MoE advisory	Complete
Lambourn Estates	No equalization storage capacity at WWTP to deal with wet weather flows	Work underway
Shawnigan Beach Estates	Insufficient wet weather capacity due to inflow and infiltration problems	Ongoing
Mesachie Lake Sewer	Chronic system failures. Replacement required.	Ongoing

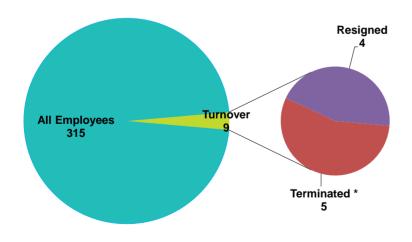


REPORT Corporate Services

Q4 Operating Statistics

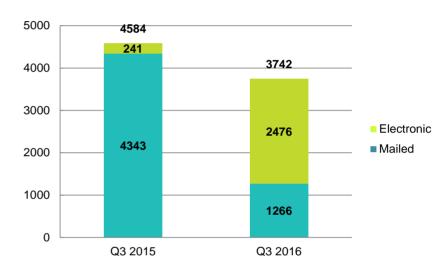


Quarterly Turnover Stats July 1, 2016 - Sept 30, 2016

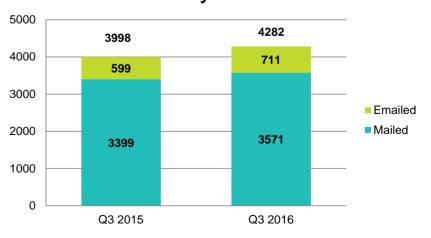


*Mostly casuals who were unavailable to work

of Invoices Processed



of Utility Bills Sent





REPORTS Public Safety

Quarter 4 Incidents by Fire Department

Departments	Alarms	Burn Complaints	Rescue	Hydro Lines	Medical Aid	Hazmat- Gas/Fuel Leak	MVI	Mutual Aid	Assistance	Structure Fire	Wildland Fire	Other Fire	Total
Malahat VFD	2	3		1	8		11			2		2	29
Mesachie Lake VFD					2			1					3
North Oyster VFD	6	3		3	15		13	1	6	1		2	50
Youbou VFD		1		1	12		1	2	3	2			22
Sahtlam VFD	1			5	6		10	1	1	1			25
Honeymoon Bay VFD				1	9					1			11
Total	9	7		11	52		35	5	10	7		4	140

Quarter 4 Emergency Program Reports

Emergency Social Services Incidents: 11 Call-Outs Involving 32 Residents

Emergency Preparedness Presentations: 8 Presentations Reaching 207 Participants

FireSmart Workshops: 0 Workshops Reaching 0 Participants

Rapid Damage Assessment Workshops: 1 Workshops Reaching 21 Participants

Emergency Management Training: 3 Courses Reaching 108 Participants



REPORT Arts & Culture

Measure	Q1 2016	Q2 2016	Q3 2016	Q4 2016
# of patrons attend Cowichan Performing Arts Centre (CPAC) shows	15,480	17,440		16,268
# Volunteer hours	1139.75	1277.75		1107.75
# of days the Cowichan Performing Arts Centre is booked	Performance 52 Rehearsal Hall 21 Total = 73	Performance 49 Rehearsal Hall 4 Total = 53		Performance 38 Rehearsal Hall 12 Total = 50



REPORT Cowichan Lake Recreation

Measure	Q1 2016	Q2 2016	Q3 2016	Q4 2016
# of registered program users	479	296	311	265
# Drop in program users	1738	983	746	1503
# of users served by the recreation access/ assistance program	4	2	2	6
# of programs targeting ages 0 - 18 / # participants	27 / 148	22 / 91	75 / 281	20 / 116
# of programs targeting adults & seniors / # participants	47 / 217	23 / 157	33 / 154	31 / 164
# of recreation programs run	61	33	93	34
# of ice arena hours booked	662	298	398	775
# of arena dry floor hours booked	Not applicable	20.5	38	n/a
# curling ice hours booked	132.45	329.25 Dry Floor	161	78



REPORT Island Savings Centre

Measure	Q1 2016	Q2 2016	Q3 2016	Q4 2016
# of visitors	Not available	Not available	Not available	Not available
# of registered program users	1391	631	1055	1111
# Drop in program users	4304	275	1098	4780
# of users served by the recreation access/ assistance program	3	0	5	
# of programs targeting ages 0 – 18 / # participants	30/369	18/321	40/368	21/292
# of programs targeting adults & seniors / # participants	62/1022	34/310	16/687	71/819
# of recreation programs delivered	92	52	56	92
# of ice arena hours booked	954	63	484	895
# of arena dry floor hours booked	Not applicable	294	75	Not applicable
# multi-purpose hall hours booked	813	416	187	461



REPORT South Cowichan Recreation

Measure	Q1 2016	Q2 2016	Q3 2016	Q4 2016
# of visitors	N/A	N/A	N/A	N/A
# of registered program users	1,595	859	1,097	475
# Drop in program visits	7,137	3,273	2,193	6163
# of users served by the recreation access/ assistance program	9	1	2	0
# of programs targeting ages 0-18 / # participants	93/1210	55/632	136/899	57/250
# of programs targeting 19+ / # participants	45/291	42/65	54/144	59/275
# of recreation programs run	138	97	110	64
# of ice arena hours booked	1114.5	N/A	479	1247
# of arena dry floor hours booked	NA	159	10	N/A
# curling ice hours booked	372	N/A	61.5	535
# curling dry floor hours booked	NA	224	109	N/A



REPORTS Development Services

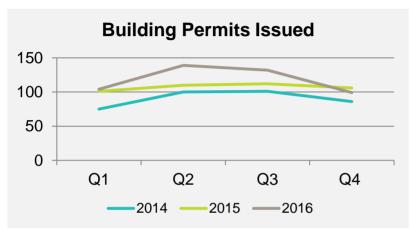
Q4 Summary of Applications and Referrals

Electoral Area										
	Α	В	С	D	E	F	G	Н	- 1	Total
Rezoning and/or Official Community Plan Amendments	1		1			1		1		4
Temporary Use Permits										0
Development Permits	4	2		8	1	1	1	1	1	19
Development Permits - Signage		1		2						3
Development Variance Permits		1						1		2
ALR Applications										0
Subdivision Referrals					2	2	1	2		7
Lots Proposed (Includes Remainder)					4	4	4	4		16
Crown Referrals		2			1	2		1	1	7
Total Applications & Referrals	5	6	1	10	8	10	6	10	2	58



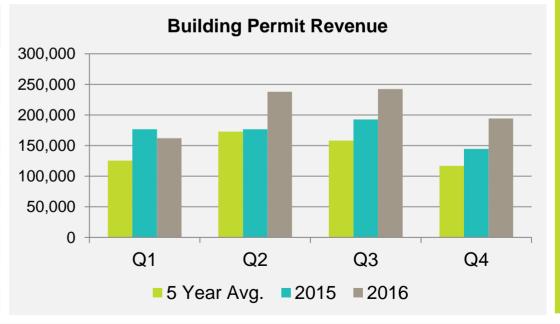
REPORTS Building Inspection

Q4 Summary of Key Statistics



Summary	2015 Q4	2016 Q1	2016 Q2	2016 Q3	2016 Q4	YTD
Residential permit values	11,753,253	13,691,115	17,780,855	18,881,833	15,858,891	66,212,694
Commercial permit values	364,750	422,340	948,280	87,000	511,000	1,968,620
Industrial permit values	145,000	316,350	1,889,378	3,550,000	0	5,755,728
Institutional permit values	121,280	431,720	1,350,000	0	0	1,781,720
Agricultural permit values	47,600	354,200	627,500	161,480	89,200	1,232,380
Total	12,431,883	15,215,725	22,596,013	22,680,313	16,459,091	76,951,142

Electoral Area	# of Permits	Construction Value (\$)	Permit Fees (\$)
А	24	4,027,750	43,382
В	15	2,792,290	31,221
С	11	1,423,961	16,389
D	19	3,264,730	37,776
Е	5	178,200	1,270
F	2	224,080	2,529
G	5	1,189,950	24,756
Н	10	1,953,110	21,341
I	8	14,050,20	15,501
Totals	99	15,054,071	194,165





REPORTS Bylaw Enforcement

Q4 Summary of Complaint Files

Electoral Area										
	Α	В	С	D	E	F	G	Н	ı	Total
Dog - Vicious	4	1	2			1				8
DPA		2							1	3
Building	1	1	1		1					4
Liquor License			1							1
Noise			1		1					2
Parks	1			6	2				1	10
Unsightly										0
Waste	2	6		3		1	1	2		15
Fireworks					1					1
Zoning	1	2		1						4
Total New Complaint Files	9	12	5	10	5	2	1	2	2	48