

Village of Innisfree
Regular Council Meeting
February 19, 2019
7:00 p.m.

1. Call to Order
2. Agenda
 - a. Deletions/Additions:
 - b. Adoption of Agenda
3. Delegations
4. Adoption of Minutes
 - a. [January 15, 2019 Regular Council Minutes](#)
 - b. [February 5, 2019 Special Council Minutes](#)
5. Business Arising from the Minutes:
 - a. [Offer to Purchase – Lot 5, Block 7, Plan 4175R](#)
 - b. [2019 Recreation Park Manager](#)
 - c. [Solar Ninjas – Solar Lighting – Update](#)
 - d. [Alberta Seniors and Housing Letter January 3, 2019 – Seniors Service Awards](#)
6. Policies & Bylaws:
7. New Business:
 - a. Draft Regional Recreation Master Plan (emailed separate)
 - b. [EOEP Course – March 2019](#)
 - c. [AUMA Spring 2019 Municipal Leaders Caucus – March 27 & 28, 2019](#)
 - d. [LGAA Conference – April 3-5, 2019](#)
 - e. [Notice of Applications – Alberta Utilities Commission](#)
 - f. [Strategic Policy Deadline – email dated February 12, 2019](#)
 - g. [Pink Day – February 27, 2019](#)
 - h. [Submission of ICF and IDP – Email dated February 14, 2019](#)
 - i. [Yellowhead Campground Listing 2019](#)
 - j. [Notice to Tender - C-Can Items](#)
8. Councillor Reports
 - a. [Innisfree School Council – Deb McMann](#)
9. Administration Reports
 - a. [CAO Report](#)
 - b. Budget Report (To be presented at meeting)
 - c. [Website Report](#)
10. Correspondence
 - a. [Alberta Economic Development and Trade Letter February 5, 2019 – CARES Program](#)
 - b. [Alberta Municipal Affairs Letter January 11, 2019 – MSI](#)
 - c. [Alberta Municipal Affairs Letter January 15, 2019 Ministers Awards for Municipal Excellence](#)
 - d. [Explore Land Surveying Services Brochure 2019](#)
11. Closed Session Items (FOIP Sections 17 & 27)
 - a. Personnel - CAO Evaluation

12. Items Arising from Closed Session

13. Adjournment

a.

	<p>A REGULAR meeting of the Council of the Village of Innisfree was held in the Council Chambers of the Innisfree Village Office, Innisfree, Alberta on Tuesday, January 15, 2019.</p>
CALL TO ORDER	Deputy Mayor McMann called the meeting to order at 7:16 PM.
PRESENT	Deputy Mayor Deborah McMann. Councillor Will Oudshoorn, Chief Administrative Officer and recording secretary Brooke Yaremchuk
AGENDA 2019-01-15/01	<p>Moved by Councillor Oudshoorn that the agenda be approved as amended: <u>Business Arising from Minutes:</u> 5A – Solar Ninjas – Update 5B – Community Van – Update</p> <p><u>New Business:</u> 7E – Offer to Purchase – Lot 5, Block 7, Plan 4175R 7F – AMSC File No. 158431 – 1 Ton Truck</p> <p><u>Councillor Reports:</u> 8A – MD Foundation Report – Will 8B – Library Board Report – Will</p> <p style="text-align: right;"><u>CARRIED</u></p>
DELEGATION – CPL. DUNSMORE 2019-01-15/02	<p>Mayor Cannan arrived at the meeting at 7:20 PM.</p> <p>Cpl. Dunsmore, from the Vermilion RCMP Detachment, presented a report to Council regarding the County of Minburn #27 – Vermilion Detachment Crime Statics year to date.</p> <p>Moved by Councillor Oudshoorn that the delegation of Cpl. Dunsmore and year to date crime statistics report be received as information.</p> <p style="text-align: right;"><u>CARRIED</u></p>
MINUTES 2019-01-15/03	<p>Cpl. Dunsmore left the meeting at 7:42 PM.</p> <p>Moved by Deputy Mayor McMann that the December 18, 2018 Regular Meeting Minutes be adopted as amended.</p> <p style="text-align: right;"><u>CARRIED</u></p>
SOLAR NINJA’S – SOLAR LIGHTING – UPDATE 2019-01-15/04	<p>Moved by Deputy Mayor McMann that the Solar Ninja’s Solar Lighting Quote be brought to the February 19, 2019 Council meeting for further discussion.</p> <p style="text-align: right;"><u>CARRIED</u></p>

**PAGE 2, VILLAGE OF INNISFREE REGULAR MEETING MINUTES OF
JANUARY 15, 2019**

COMMUNITY VAN –
UPDATE
2019-01-15/05

Moved by Councillor Oudshoorn that Council direct Administration to contact Ms. Baird from On the Move Safety regarding the conditions and regulations of the Village using a 10-12 Capacity Community Van.

CARRIED

2019 CAMPGROUND
ATTENDANTS
2019-01-15/06

Moved by Councillor Oudshoorn that Council direct Administration to advertise the position of Campground Attendant's for 2019 in the Local Newspaper and Social media. Further that this item be brought to the February 19, 2019 Council meeting for further discussion.

CARRIED

ALBERTA
ENVIRONMENT AND
PARKS LETTER
JANUARY 4, 2019
2019-01-15/07

Moved by Deputy Mayor McMann that the Alberta Environment and Parks letter January 4, 2018 be received as information.

CARRIED

ALBERTA
MUNICIPAL AFFAIRS
LETTER DECEMBER
28, 2018 –
MINISTERIAL
ORDER NO.
MSL:095/18
2019-01-15/08

Moved by Councillor Oudshoorn that the Alberta Municipal Affairs Letter December 28, 2018 – Ministerial Order No. MSL:095/18 be received as information.

CARRIED

AMSC – 2018
BUILDING
EVALUTATIONS
2019-01-15/09

Moved by Deputy Mayor McMann that Council approve the proposed changes to the appraised values of the Birch Lake Change House, Fire Hall, Old CIBC Museum, Seniors Recreation Centre and Administration Office as mentioned in email dated December 24, 2018. Further that Council direct Administration to contact AMSC Insurance Ltd. regarding an explanation for the increased appraised value to the Fire Hall and the Museum.

CARRIED

OFFER TO
PURCHASE –
LOT 5, BLOCK 7,
PLAN 4175R
2019-01-15/10

Moved by Councillor Oudshoorn that Council direct Administration to advertise all serviced and un-serviced lots owned by the Village of Innisfree that are available for development for 2 consecutive weeks in the Local Newspaper and social media. Further that this item be brought to the February 19, 2019 Council meeting for further discussion.

CARRIED

**PAGE 3, VILLAGE OF INNISFREE REGULAR MEETING MINUTES OF
JANUARY 15, 2019**

AMSC FILE NO.
158431 – 1 TON
TRUCK
2019-01-15/11

Moved by Deputy Mayor McMann that Council direct Administration to approve the Notice of Owner Retained Salvage Claim No. 158431 in the amount of \$6,204.00 for the 2002 Ford F-350 as presented by Travelers Canada on January 15, 2019.

CARRIED

Deputy Mayor McMann left the chambers at 8:17 PM.

Deputy Mayor McMann returned to the chambers at 8:20 PM.

COUNCILLOR
REPORTS
2019-01-15/12

Moved by Deputy Mayor McMann that the MD Foundation and Library Board Reports be received as information.

CARRIED

ADMINISTRATION
REPORTS
2019-01-15/13

Moved by Deputy Mayor McMann that the Administration Report and Action List, December 31, 2018 Budget and Website report be approved as presented.

CARRIED

MINISTERS SENIORS
SERVICE AWARDS –
LETTER JANUARY 3,
2019
2019-01-15/14

Moved by Councillor Oudshoorn that Council table the Ministers Seniors Service Awards – Letter January 3, 2019 to the February 19, 2019 Council meeting for further discussion.

CARRIED

CORRESPONDENCE
2019-01-15/15

Moved by Councillor Oudshoorn that the following Correspondence be received as information.

CARRIED

ADJOURNMENT

Councillor Oudshoorn adjourned the meeting at 9:27 PM.

Mayor

Chief Administrative Officer

A SPECIAL meeting of the Council of the Village of Innisfree was held in the Council Chambers of the Innisfree Village Office, Innisfree, Alberta on Tuesday, February 5, 2019.

CALL TO
ORDER

Deputy Mayor McMann called the meeting to order at 11:20 AM.

PRESENT

Deputy Mayor McMann and Councillor Oudshoorn

Mayor Cannan – Via Teleconference

The purpose of this meeting was to discuss the Village of Innisfree purchasing a new truck for the Public Works department to replace the 1 Ton Ford that was stolen on November 28, 2018.

AGENDA
2019-02-05/01

Moved by Councillor Oudshoorn that the agenda be approved as presented.

APPROVAL TO
PURCHASE
TRUCK –
PUBLIC WORKS
2019-02-05/02

Moved by Councillor Oudshoorn that the Village of Innisfree Purchase the 2012 Ford F350 Super Duty Truck – VIN #1FD8W3F64CVEA68092 in the amount of \$21,000.00 (GST included) as presented in Northern Leduc Truck Ranch's quote dated February 5, 2019. Further that the funds come from GL # 3-00-00-650.

ADJOURNMENT

Councillor Oudshoorn adjourned the meeting at 11:29 AM.

Mayor

Chief Administrative Officer

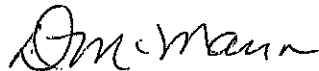
Offer to Purchase

I would like to purchase Lot 5; B. 7 Plan 4175 R located at 5109 50 Ave, Innisfree, AB.

I am working with another individual and our plan is to bring in a manufactured building and open a restaurant.

I am offering \$100.00 for the purchase of this property.

Yours sincerely

A handwritten signature in cursive script, appearing to read 'D. McMann'.

Deborah McMann

Village of Innisfree (CAO)

From: Alice Sheehan <alicesheehan88@gmail.com>
Sent: January 16, 2019 9:38 AM
To: Village of Innisfree (CAO)
Subject: Fwd: Park Host

----- Forwarded message -----

From: Alice Sheehan <alicesheehan88@gmail.com>
Date: Wed, Jan 16, 2019, 9:28 AM
Subject: Park Host
To: <cao@innisfree.ca>

Alice and Tom Sheehan

We have worked as park host for four years and enjoy the interaction with the public.

We have our first aid and safety certificates.

We are used to handling large sums of money and making deposits.

We are used to working with the public for many years and enjoy the interaction with the public.

We owned and operated the Mannville Hotel and bar for many year's.

I handle the phones and reservations and bathrooms.

Tom has worked with outside equipment and enjoys keeping the grounds

We are used to working 24/7 and weekends.

We are flexible with dates for starting and closings.

We are in Mexico for the winter and come back in April or sooner if needed.

Our phone number for here is 1-260-449-1976.

For A.B 1-780-259-0330 but doesn't work until we cross the U.S. border.

Thank you for considering us for this position.

Alice and Tom Sheehan



Solar Ninjas

ENERGY SOLUTIONS Ltd.



780 920 9120



mike@solarninjas.energy



www.SolarNinjas.Energy

Introduction

This summary document outlines the potential for four sites chosen for consideration as solar installations. They are presented in order with benefits and details documented for each and budget summaries combined at the end.

During the course of this design period:

- An additional “first time” applicant rebate has come available to you from the Municipal Climate Change Action Centre over and above the existing rebate.
- Wires owners (ATCO) have updated and tightened their criteria for approving solar installations dramatically, forcing changes to our plans.

While I am not able to be there in person for your November Council meeting (Nov 21 2018) I will be available to teleconference in for questions and discussion and would be happy to come out on another date to speak individually or as a group at your convenience. There is a great deal of information here to digest.

My conclusions are that all 4 sites are viable and beneficial and while two happen to be surplus generators the other two have significant cost offset and other benefits to consider due to location and future uses.

Please keep in mind that we are proposing long-life cycle products here with serious benefits extending out 5 to 50 years. As 5 new natural gas power plants worth billions come online to add costs to power bills, and governments change resulting in the potential elimination of direct incentives for these projects I urge consideration on a number of fronts.

Thank you for your time, attention, support and consideration!

Please phone me directly at any time at 780 920 9120 to discuss or clarify any detail.

Michael Thomas – Principal – SolarNinjas Energy Solutions Ltd.



Structural Notes

Water Treatment Plant

- Screw piles to be engineered and documented for structural load support
- Ground conditions may require additional lengths and above-ground adjustment to level base plates
- Non Adjustable Racking suggested – Extra attention paid to wind loading

New Public Works

- Anchors must be seated into full trusses, requiring additional strapping material to be installed as needed.
- 3/4 Inch plywood strips to be used as decking (permanent) inside attic to improve walkability for worker and material
- Surface wiring to electrical panel to utilize cantress (unistrut) mounted across studs in-wall.

Village Office

- Vaulted ceilings and age of building necessitate additional care to ensure centre truss anchor installation

Rv Park

- Screw piles to be engineered and documented for structural load support
- Non Adjustable Racking suggested – Extra attention paid to wind loading

No serious negative structural engineering issues identified on any project site

Site Protection Notes

Water Treatment Plant

- Consider chain link fence with access gate on one side facing the access to existing pump house to remove driving access & simplify buried electrical.
- Consider chain link fence along full length behind array and across the bottom to existing short fence.
- Posts can be installed after screw piles to avoid potential buried line issues after PV installation, completion at some point in the future as needed.
- Double layer landscape cloth and gravel suggested under arrays to eliminate future landscape maintenance (spray once per year with light vinegar/salt-water combo or every several years with approved herbicide from a backpack sprayer)

New Public Works

- No special protection notes
- Protected by location (roof)

Village Office

- No special protection notes
- Protected by location (roof)

Rv Park

- Consider all 4 sides chain link fencing (distance from array and height to be determined)
- Determine level of desired access control and aesthetic balance based on local concerns regarding vandalism or theft and base fencing type and distances on that assessment.
- Consider addition of trail-cam or other motion sensing video monitoring from 2 angles of approach
- Post signage telling the story of the project and intentions of council to encourage buy-in and deter vandalism by community engagement
- Consider planting wild roses or other thorny bushes on slope and to sides of installation area, which can be both beautiful and a low cost deterrence against rear-approach to system from highway and parkland.
- Immediate area under arrays to be converted to sand or gravel on landscape fabric, additional attention to be paid to maintaining natural grassy beauty outside the footprint while limiting maintenance to maybe one annual cutting.

Project Safety Notes

Water Treatment Plant

- Ensure Alberta-One-Call Report is filed before start of project
- Screw Pile Installation by third party must be insured and follow an equivalent or superior Health & Safety Program to SolarNinjas
- Co-Ordinate with local site management regarding final power connection to ensure safe interconnecting work and no unplanned power outages at facility
- Designated worker for emergency response notification and attendance
- Additional grounding points at array required

New Public Works

- 40ft extension ladder required (devise tie-off method at roofline)
- Specialty fall arrest required (ground based or permanent roof installation on opposite slope) with site specific safety plan
- Full Mask Respirator inside attic space

Village Office

- Standard residential rooftop fall arrest anchor system use
- Nearby overhead power and telecom lines in vicinity of preferred access locations
- Electrical panel replacement for safety advised

Rv Park

- Ensure Alberta-One-Call Report is filed before start of project
- Screw Pile Installation by third party must be insured and follow an equivalent or superior Health & Safety Program to SolarNinjas
- Long distance trench work will require sawhorse, large cone, stake and rope or other barricade while open
- Nearby live underground electrical infrastructure (low voltage single phase)
- Work area next to meter base and distribution cabinet to be barricaded off with rope access
- Additional grounding points at arrays required

Media Plan

Depending on the extent and scope of selected projects. We propose using the following tools to maximize the exposure Innisfree will receive from going solar.

- Engage with Brazeau County – Drayton Valley Area where a robust “top-up” solar rebate is in place and cross promote as municipalities taking charge of this sector. They have a massive online community reach and friendly local press which leads to mass media stories.
- Ensure HiWay16 News follows the projects and progress with regular updates.
- Directly engage the local public in the following ways
 - Physical notices and invitations to engage to properties within viewable range of projects
 - Town notice boards and email/mailling list notices for all residents
 - Key business/farm/local government personal outreach to their private networks to notify and support.
 - Town social media and website consistent updates and conversation
- Well written press release to several hundred Alberta media organizations, newsdesks, personalities, and tiplines. (This can require paid access for a small fee to an up to date press release roster of up to several thousand contacts)
- Targeted invitations to CBC, TheTyee, GreenBusiness Magazine, Green Energy Futures, Local Members of Parliament and Legislature, relevant provincial and federal government departments/ministries, organizations like Decentralised Energy Canada, NAIT/UofA/Vermillion & Related renewable energy program heads and student groups.
- Outreach to neighbouring municipalities to participate in post-installation celebration and study of system results.
- Ground and Drone based photo and video media generated and utilized for promotion for years to come, released to media with pre-written news-blurbs and ready to release short articles.
- Large highway sign/road sign near RV Park and Innisfree turnoff at gas station in partnership with SolarNinjas for promotion and invitation to the public (in conjunction with electric vehicle charging especially at RV park and town centre office/public works)
- Social media paid ads (blog posts, website page, SM Posts) targeting the geographical region to ensure full capture.
- Pre-Written talking points issued to all stakeholders, local representatives, and interested parties covering:
 - Environmental Benefits of solar at municipal scale
 - Reduced ongoing utility costs
 - Cost certainty for utilities having pre-paid for system installation
 - Technological merit and legitimacy of moving into the future with green technology
 - Other key points as desired

Electrical Notes

Water Treatment Plant

- Ensure Alberta-One-Call Report is filed before start of project and private locators if needed to mark with extra care and attention around building exterior wall
- PVC Conduit underground suggested with sleeves at points of entry/exit from grade
- Hand Trenching inside fence-line around pump house, mechanical trenching permitted outside fence-line

New Public Works

- EMT Conduit on interior wall surface to ceiling penetration area
- Additional Strapping for strength
- Rooftop AC combiner box will be required with AC Circuit Breakers (Rail Mounted @ south end of solar array. Nema4 stainless.

Village Office

- Surface wiring on rear of building advised with teck to PVC transition
- Nearby overhead power and telecom lines in vicinity of preferred access locations
- Electrical panel replacement for safety advised

Rv Park

- Ensure Alberta-One-Call Report is filed before start of project
- Ensure accurate site drawings map precise underground wire locations from array to main utility interaction point.
- Consider additional protection at mid-depth (pressure treated lumber, extra layer of barrier warning tape)
- PVC Conduit (sleeved) for main home run from main combiner box at arrays
- Teck Cable as needed between inverters and main AC combiner at arrays
- 2 ground points per array independent of screw piles (ground rods)

Innisfree Water Treatment Plant

Using 4 year average consumption this site appears to average ~85% energy offset or a real dollars direct energy generation value of approximately \$2128 per year initially using August 2018 energy prices. Annual billing for the most recent 12 month period was approximately \$6,000.

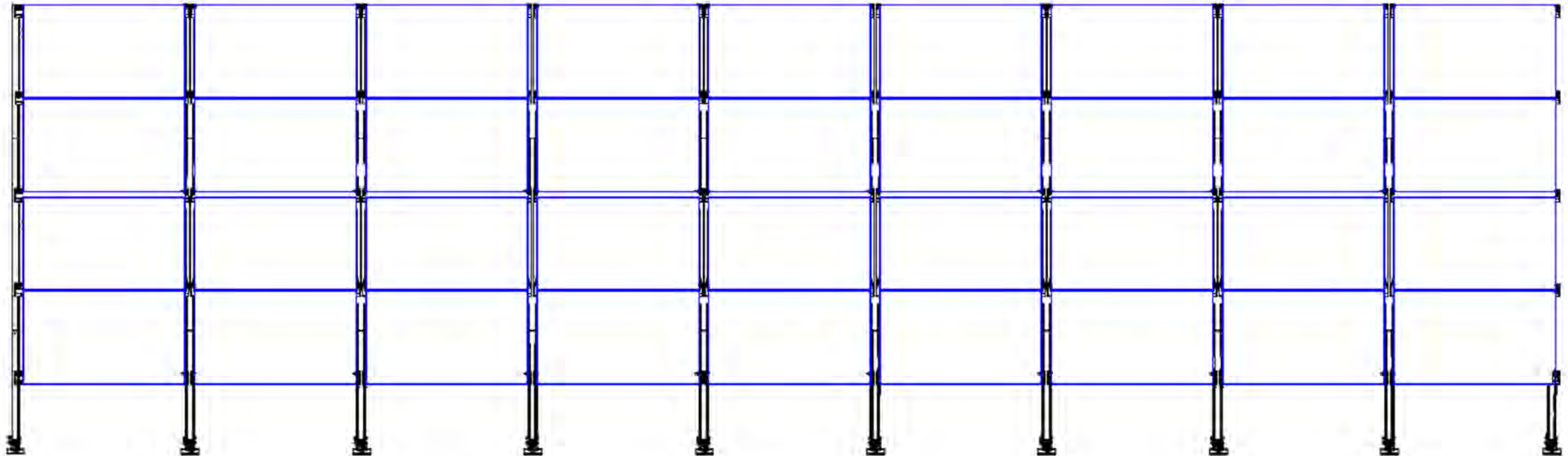
This savings would scale upwards with the increasing costs of energy from increased demand and from newly constructed power plants (billions of dollars worth) coming online in the next handful of years. This represents a shield against future energy costs that scales upward with the future price of energy.

Transmission and distribution costs would also be impacted in your benefit. These charges are combined on your billing and therefore impossible to calculate specifically however the TRANSMISSION portion tends to be directly tied to KWH energy consumption and would therefore reduce by a portion equivalent to your energy offset. Distribution costs tend to remain the same and are charged as a flat rate. This extra savings on a commercial site this size may range in the \$500 to \$1,000 annual savings, but cannot be specifically estimated at this time. These savings would also scale up with the costs of transmission increasing.

A benefit from a large visible feature such as this added to the landscape enhances the prestige of the municipality and its ability to attract and retain residents, businesses and investment.



GROUND MOUNT SOLAR PANELS - FRONT VIEW



SolarNinjas Energy Solutions Ltd.
#724, 10301 104 St Edmonton AB
weshouldhire@solar ninjas.energy
[Http://www.SolarNinjas.Energy](http://www.SolarNinjas.Energy)
Phone : (780) 920.9120

Client:

Site ID:

Land Desc.:

Address:

Prepared by: Oluwaseyi Adebola

Front View -

Ground Mount Solar Panels

Date: October 2, 2018

System KW AC/DC:

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Array KW AC/DC:

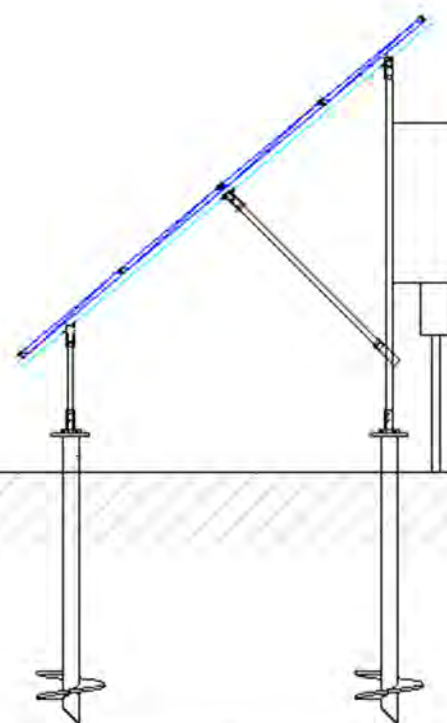
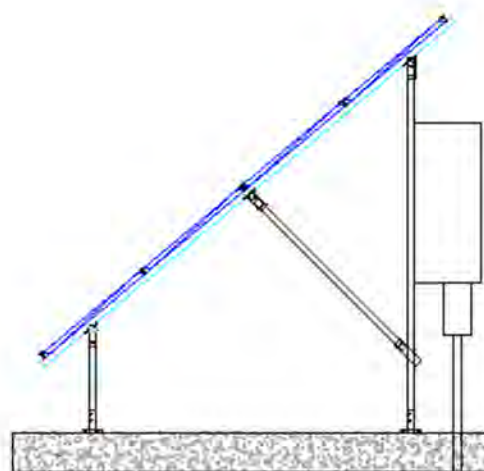
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2

GROUND MOUNT SOLAR PANELS - SIDE VIEW

CONCRETE BALLAST

HELICAL/SCREW PILES



Base Height Adjustable



SolarNinjas Energy Solutions Ltd.
#724, 10301 104 St Edmonton AB
weshouldhire@solarninjas.energy
[Http://www.SolarNinjas.Energy](http://www.SolarNinjas.Energy)
Phone : (780) 920.9120

Client:

Site ID:

Land Desc.:

Address:

Prepared by: Oluwaseyi Adebola

Side View -

Ground Mount Solar Panels

Date: October 2, 2018

System KW AC/DC:

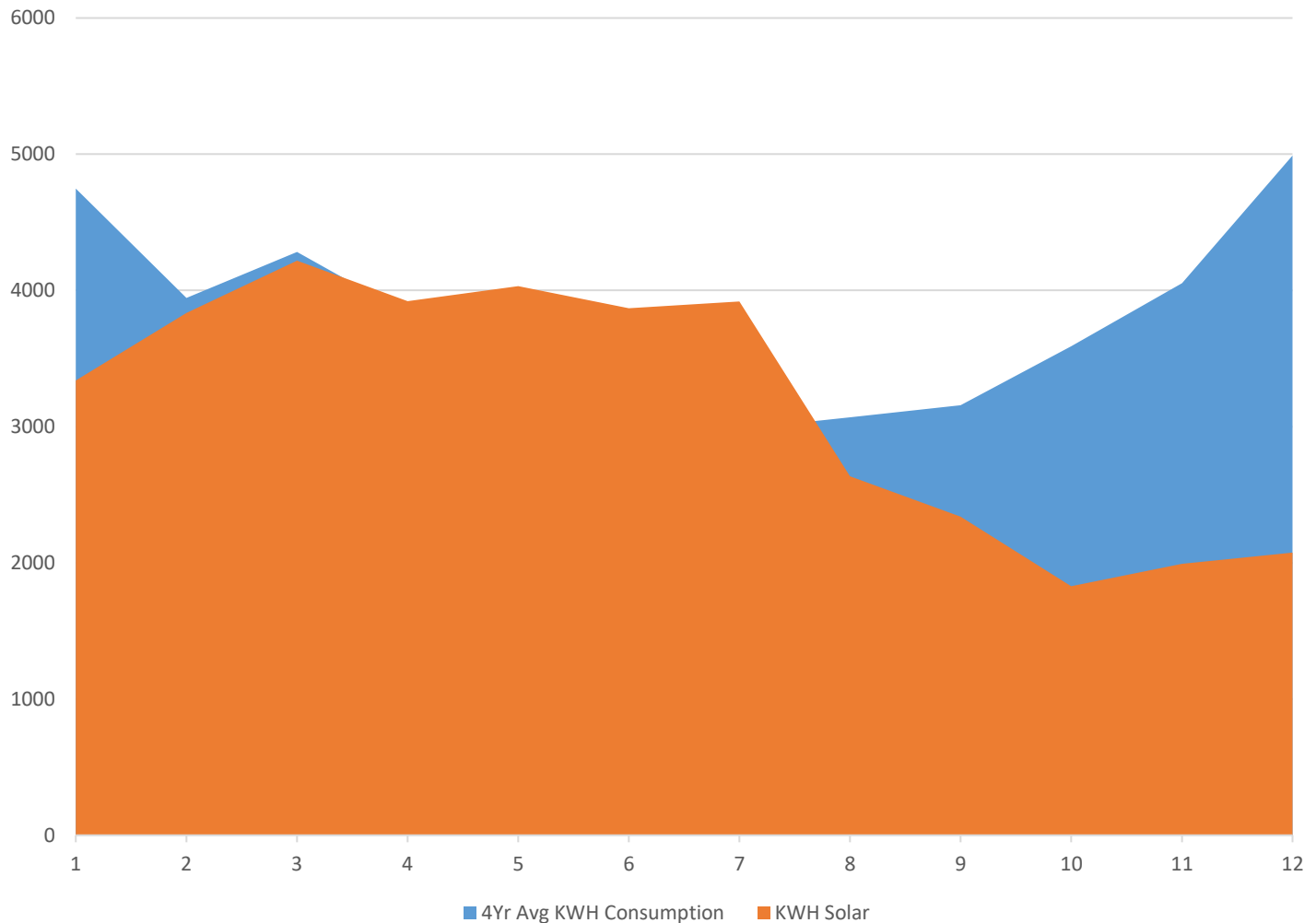
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Array KW AC/DC:

Drawing No.

1

Water Treatment Plant

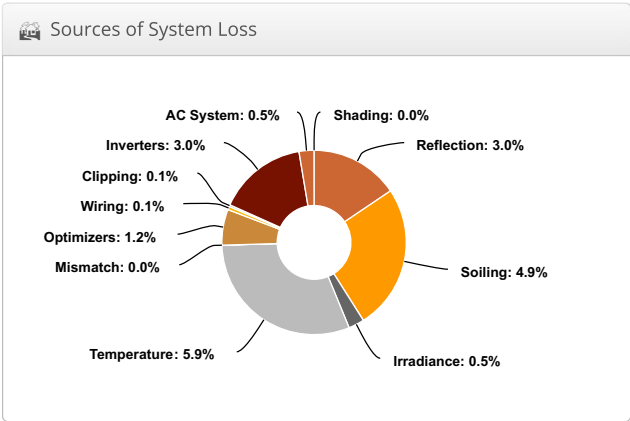
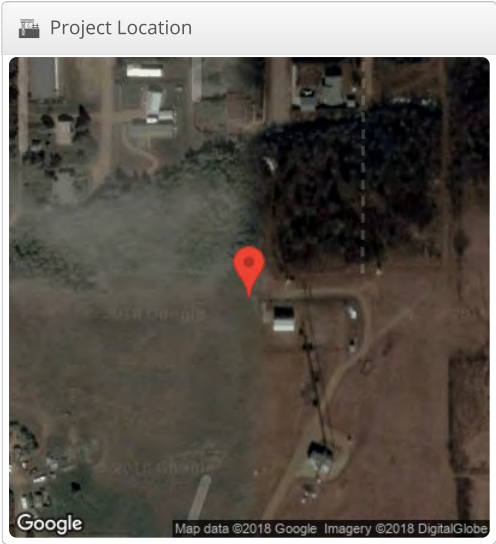


Estimate Month	4Yr Avg KWH Consumption	KWH Solar	Difference KWH	Energy Offset
1	4747.5	3339.6	1407.9	70.34%
2	3945	3834.4	110.6	97.20%
3	4282.5	4218.5	64	98.51%
4	3827.5	3920.5	-93	102.43%
5	3577.5	4030.5	-453	112.66%
6	2745	3869.9	-1124.9	140.98%
7	2982	3918.5	-936.5	131.41%
8	3067.5	2636.5	431	85.95%
9	3157.5	2338.8	818.7	74.07%
10	3590	1829	1761	50.95%
11	4053.333	1992.7	2060.633	49.16%
12	4990	2075	2915	41.58%
Total or Average	44965.333	38003.9	6961.433	84.52%

WTP Ground Mount (Trina365s+SE) Innisfree WTP, Innisfree AB

Report	
Project Name	Innisfree WTP
Project Address	Innisfree AB
Prepared By	Michael Thomas mike@solarninjas.energy

System Metrics	
Design	WTP Ground Mount (Trina365s+SE)
Module DC Nameplate	26.3 kW
Inverter AC Nameplate	28.8 kW Load Ratio: 0.91
Annual Production	38.65 MWh
Performance Ratio	82.4%
kWh/kWp	1,470.8
Weather Dataset	TMY, 10km Grid, meteonorm (meteonorm)
Simulator Version	9b6ea3edba-740144e756-4cf1ffc4d-a6b7ed69dd





🏠 Annual Production			
	Description	Output	% Delta
Irradiance (kWh/m²)	Annual Global Horizontal Irradiance	1,320.4	
	POA Irradiance	1,785.3	35.2%
	Shaded Irradiance	1,785.3	0.0%
	Irradiance after Reflection	1,732.2	-3.0%
	Irradiance after Soiling	1,647.9	-4.9%
	Total Collector Irradiance	1,647.9	0.0%
Energy (kWh)	Nameplate	43,366.0	
	Output at Irradiance Levels	43,136.6	-0.5%
	Output at Cell Temperature Derate	40,603.2	-5.9%
	Output After Mismatch	40,603.1	0.0%
	Optimizer Output	40,115.9	-1.2%
	Optimal DC Output	40,070.4	-0.1%
	Constrained DC Output	40,047.9	-0.1%
	Inverter Output	38,846.5	-3.0%
	Energy to Grid	38,652.3	-0.5%
Temperature Metrics			
Avg. Operating Ambient Temp		7.1 °C	
Avg. Operating Cell Temp		25.4 °C	
Simulation Metrics			
Operating Hours		4602	
Solved Hours		4602	

📋 Condition Set												
Description	Condition Set 1											
Weather Dataset	TMY, 10km Grid, meteonorm (meteonorm)											
Solar Angle Location	Meteo Lat/Lng											
Transposition Model	Perez Model											
Temperature Model	Sandia Model											
Temperature Model Parameters	Rack Type			a		b		Temperature Delta				
	Fixed Tilt			-3.56		-0.075		3°C				
	Flush Mount			-2.81		-0.0455		0°C				
Soiling (%)	J	F	M	A	M	J	J	A	S	O	N	D
	8	8	4	4	4	4	4	4	4	4	8	8
Irradiation Variance	5%											
Cell Temperature Spread	4° C											
Module Binning Range	-2.5% to 2.5%											
AC System Derate	0.50%											
Module Characterizations	Module							Characterization				
	TSM-DE14A(II) PERC MONO 365 (Trina Solar)							Spec Sheet Characterization, PAN				
Component Characterizations	Device							Characterization				
	P400 NA (SolarEdge)							Mfg Spec Sheet				
	SE14.4KUS (SolarEdge)							CEC				

Components		
Component	Name	Count
Inverters	SE14.4KUS (SolarEdge)	2 (28.8 kW)
Strings	10 AWG (Copper)	5 (30.2 m)
Optimizers	P400 NA (SolarEdge)	72 (28.8 kW)
Module	Trina Solar, TSM-DE14A(II) PERC MONO 365 (365W)	72 (26.3 kW)

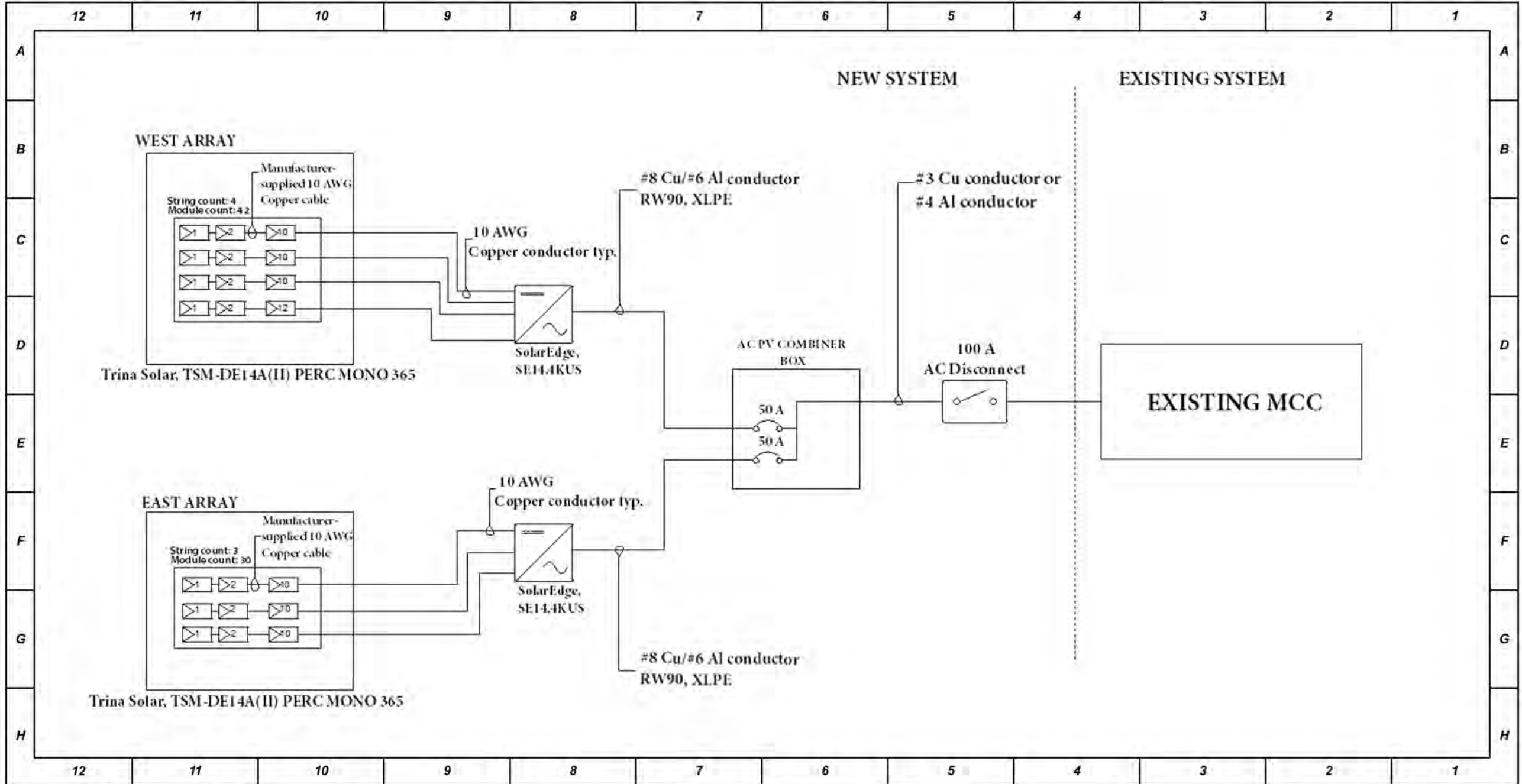
Wiring Zones			
Description	Combiner Poles	String Size	Stringing Strategy
East	12	9-16	Along Racking


Field Segments									
Description	Racking	Orientation	Tilt	Azimuth	Intrarow Spacing	Frame Size	Frames	Modules	Power
East	Flush Mount	Landscape (Horizontal)	40°	180°	2.4 m	4x1	12	36	13.1 kW
West	Flush Mount	Landscape (Horizontal)	40°	180°	2.4 m	4x1	9	36	13.1 kW



Detailed Layout





72x Trina Solar Modules: TSM- 365	Capacity: 26.28kWDC		SolarNinjas Energy Solutions Ltd. #724, 10301 104 St Edmonton AB weshouldhire@solarninjas.energy Http://www.SolarNinjas.Energy Phone : (780) 920.9120	Client: Water Treatment	Address:	Date: October 2, 2018	Drawing No. <div>1</div>
2x Solar Edge Inverter: SE14-4KUS				Site ID:	Prepared by: Oluwaseyi Adebola	System KW AC/DC: 18.8/26.28	
				Land Desc.:	SINGLE-LINE DIAGRAM	Array KW AC/DC:	

Innisfree New Public Works Building

The new public works building has a long future of expanding usage including transition to electric equipment & vehicles. It has a beneficial roof slope for solar. So beneficial in fact that it is indicating a strong annual surplus of energy that we will have to document a plan for in order to meet ATCOs interpretation of the Micro-Generation Regulation. The system will completely maximize the electrical panel, without exceeding one third of the roof space leaving lots of room for future upgrades.

Solar energy value using September 2018 rates are initially almost \$670 per year. Energy billing for the previous 12 months was only \$618 for energy and a total of \$2485 including GST and transmission/distribution costs.

Based on 3year averages, solar is estimated to offset 135% of energy consumption at the site however the previous 12 months would have been a 149% offset indicating strong efficiency gains. Transmission savings will magnify this amount.

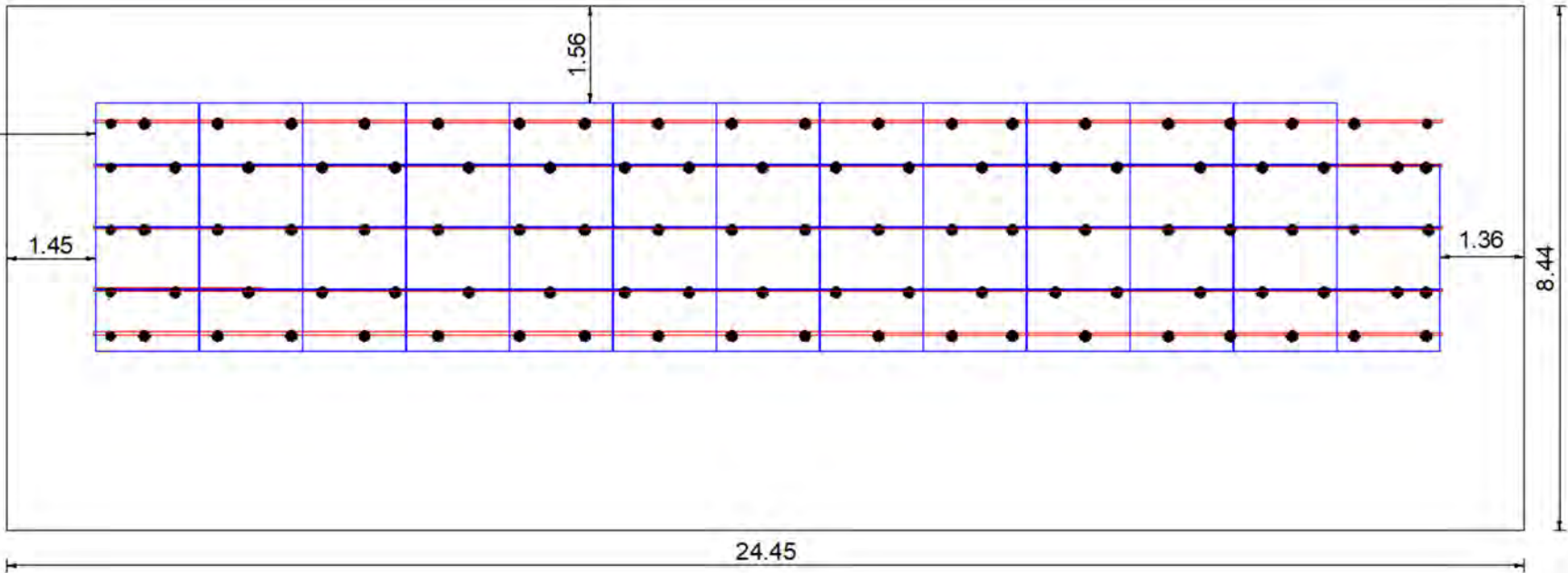
This site matches equipment with the village office and in combination would net some additional equipment cost and installation time savings.





ALL DIMENSIONS IN METERS

Surface of roof material to top
of solar module less than 6"



Existing Structure is capable of supporting
extra loads of the array being installed

- Roof Vent

Roof vent shall be moved as required

Rail

Rail: Kinetic rapid rail, Extruded Aluminium,
Alloy 6060 SF - T54

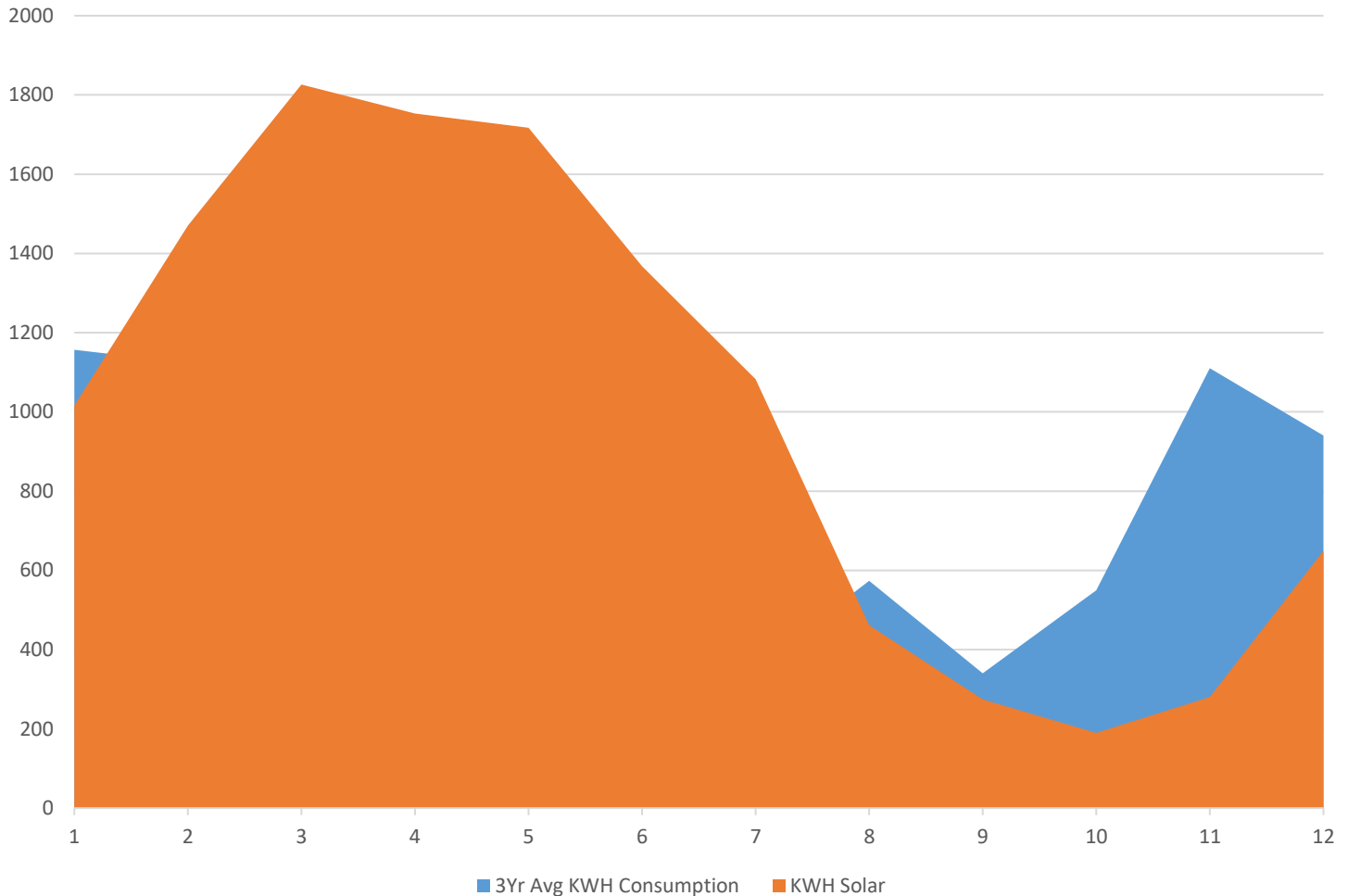
Anchor

Anchor: Kinetic 5 inch welded hanger bolt
with additional strapping as required

Andy Smith P.Eng
3715 65 St NW
Edmonton AB T6L1V2
780 604 4259
For Structural Engineering only

For Structural Engineering only

New Public Works

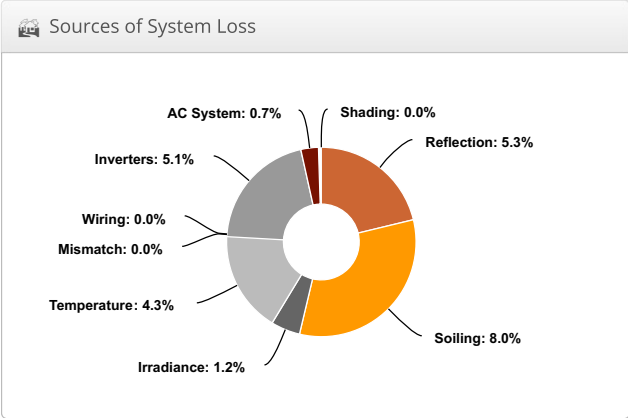
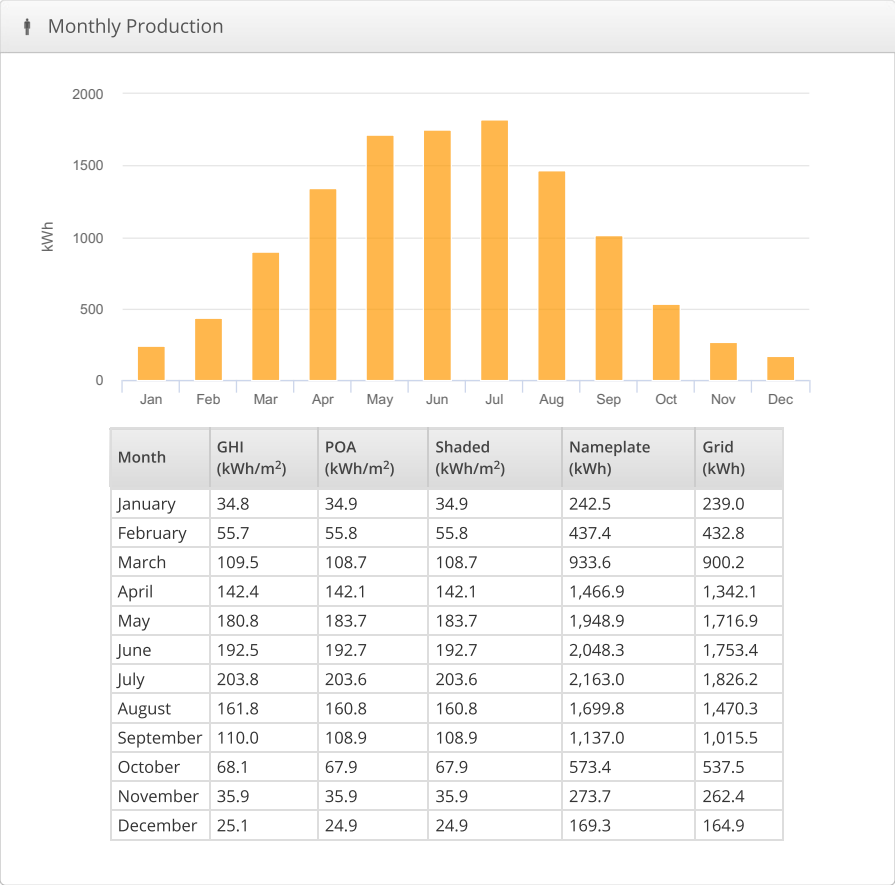
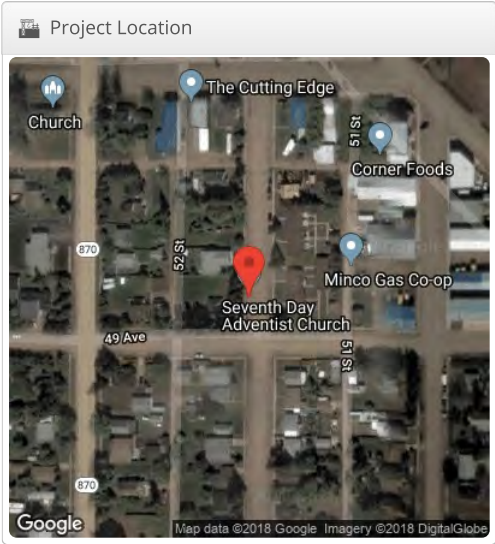


Estimate Month	3Yr Avg KWH Consumption	KWH Solar	Difference KWH	Energy Offset
1	1156.667	1015.6	141.067	87.80%
2	1123.333	1470.3	-346.967	130.89%
3	1123.333	1826.2	-702.867	162.57%
4	870	1753.4	-883.4	201.54%
5	460	1716.9	-1256.9	373.24%
6	326.666	1368	-1041.334	418.78%
7	353.3333	1082.4	-729.0667	306.34%
8	573.3334	461.7	111.6334	80.53%
9	340	274.2	65.8	80.65%
10	550	189.7	360.3	34.49%
11	1110	280.4	829.6	25.26%
12	940	649.4	290.6	69.09%
Total or Average	8926.6657	12088.2	-3161.5343	135.42%

38 Module Yc500i Innisfree Public Works Building, Innisfree, AB T0B 2G0

Report	
Project Name	Innisfree Public Works Building
Project Address	Innisfree, AB T0B 2G0
Prepared By	Michael Thomas mike@solarinjas.energy

System Metrics	
Design	38 Module Yc500i
Module DC Nameplate	11.4 kW
Inverter AC Nameplate	9.50 kW Load Ratio: 1.20
Annual Production	11.66 MWh
Performance Ratio	77.5%
kWh/kWp	1,022.9
Weather Dataset	TMY, 10km Grid, meteonorm (meteonorm)
Simulator Version	1468d8055c-52441aee5c-623e099696-b542d03352





🏠 Annual Production			
	Description	Output	% Delta
Irradiance (kWh/m²)	Annual Global Horizontal Irradiance	1,320.4	
	POA Irradiance	1,320.0	0.0%
	Shaded Irradiance	1,320.0	0.0%
	Irradiance after Reflection	1,250.7	-5.3%
	Irradiance after Soiling	1,150.0	-8.0%
	Total Collector Irradiance	1,150.0	0.0%
Energy (kWh)	Nameplate	13,093.8	
	Output at Irradiance Levels	12,932.6	-1.2%
	Output at Cell Temperature Derate	12,373.1	-4.3%
	Output After Mismatch	12,367.4	0.0%
	Optimal DC Output	12,367.4	0.0%
	Constrained DC Output	12,381.5	0.1%
	Inverter Output	11,748.7	-5.0%
	Energy to Grid	11,661.2	-0.7%
Temperature Metrics			
Avg. Operating Ambient Temp		7.1 °C	
Avg. Operating Cell Temp		19.9 °C	
Simulation Metrics			
Operating Hours		4602	
Solved Hours		4602	

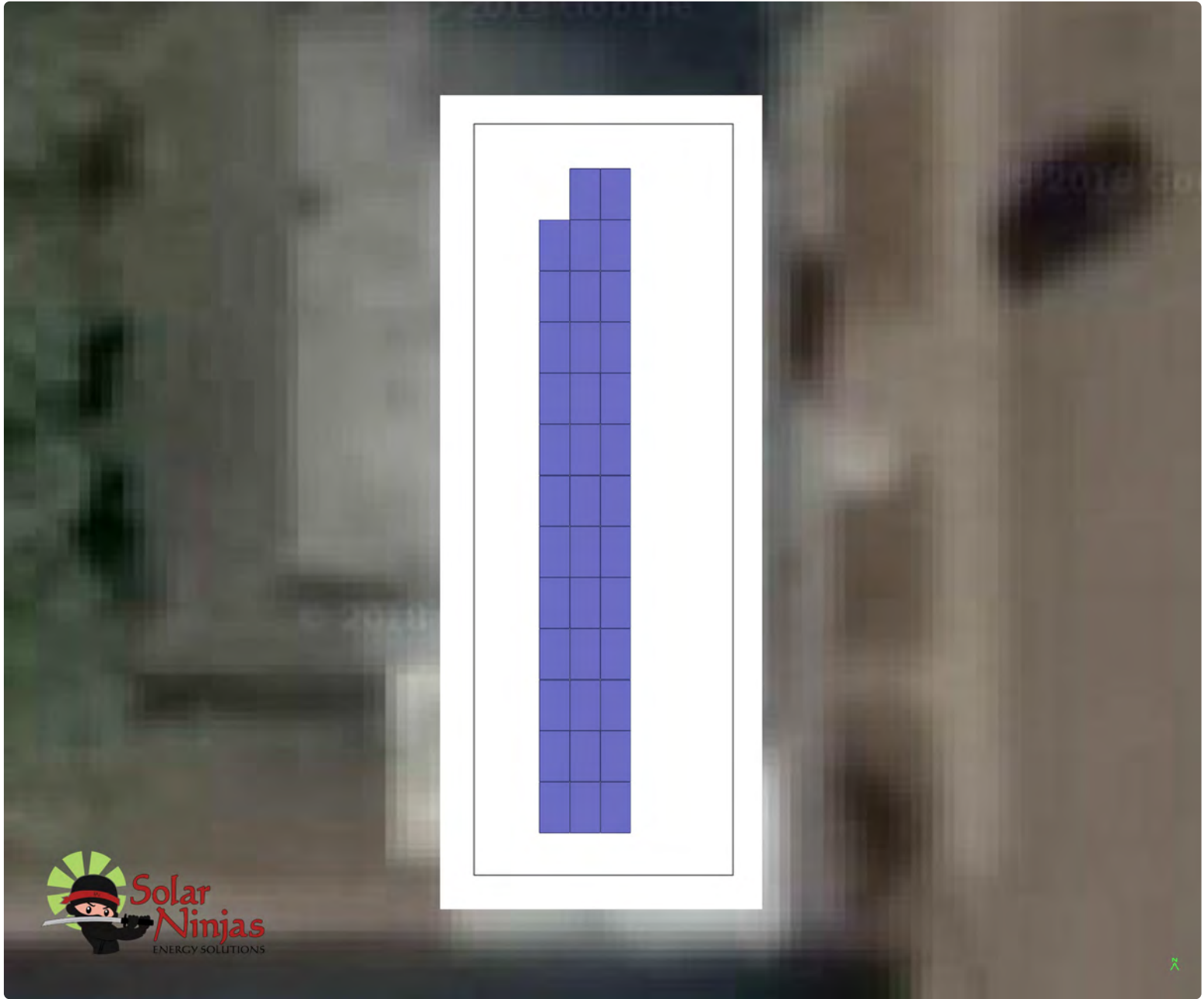
Condition Set												
Description		Condition Set 1										
Weather Dataset		TMY, 10km Grid, meteonorm (meteonorm)										
Solar Angle Location		Meteo Lat/Lng										
Transposition Model		Perez Model										
Temperature Model		Sandia Model										
Temperature Model Parameters	Rack Type	a		b		Temperature Delta						
	Fixed Tilt	-3.56		-0.075		3°C						
	Flush Mount	-2.81		-0.0455		0°C						
Soiling (%)	J	F	M	A	M	J	J	A	S	O	N	D
	30	25	20	5	3	3	3	3	3	20	25	30
Irradiation Variance		5%										
Cell Temperature Spread		4° C										
Module Binning Range		-2.5% to 2.5%										
AC System Derate		0.50%										
Module Characterizations	Module							Characterization				
	TSM-DD05A(II) 300W (Trina Solar)							Spec Sheet Characterization, PAN				
Component Characterizations	Device							Characterization				
	YC500i (240V) (APS)							Spec Sheet				

Components		
Component	Name	Count
Inverters	YC500i (240V) (APS)	19 (9.50 kW)
AC Panels	3 input AC Panel	1
AC Home Runs	12 AWG (Copper)	1 (55.7 m)
AC Branches	8 AWG (Copper)	3 (60.5 m)
Module	Trina Solar, TSM-DD05A(II) 300W (300W)	38 (11.4 kW)

Wiring Zones			
Description	Combiner Poles	String Size	Stringing Strategy
East Zone	12	1-1	Along Racking

Field Segments									
Description	Racking	Orientation	Tilt	Azimuth	Intrarow Spacing	Frame Size	Frames	Modules	Power
East Section	Flush Mount	Landscape (Horizontal)	9.5°	90°	0.0 m	1x1	38	38	11.4 kW

Detailed Layout



Innisfree Village Office

The Village Office represents a residential type solar installation and would be a beautiful showpiece. There are many opportunities to improve energy efficiency in the building, and solar based on a 4 year average is estimated to offset ~86% of energy use. This could reach net zero consumption with efficiency improvements and a little luck. Our ability to fit more solar on the roof around obstacles and use of advanced micro-inverters helps improve performance and project quality.

Late spring currently indicates a net surplus situation with small energy sales according to generation timetables. We advise replacing the main electrical panel and combining the subpanel circuits into a new service meeting current electrical codes.

Averaged solar generation estimates result in direct energy value using August 2018 energy rates of approximately \$520 per year initially. 2018 billing shows \$861 in energy costs and \$2652 in overall costs including GST and transmission charges.

Exorbitant transmission and distribution costs will be addressed to some degree proportionally to solar generation, as transmission costs are usually tied to consumption. Distribution costs tend to be flat.

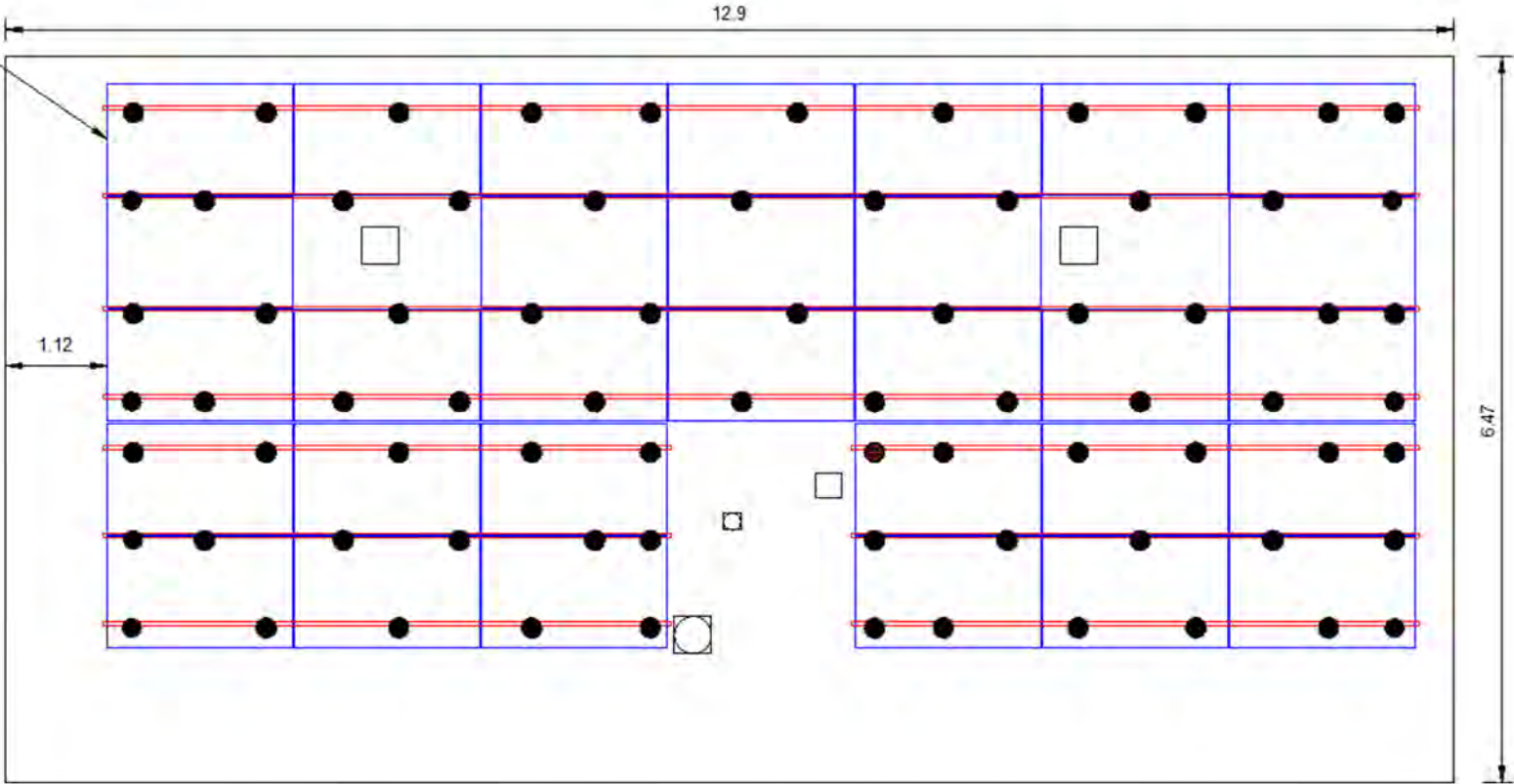
Equipment choices are based on fall 2018 product availability and may change slightly into spring 2019.



Surface of roof material to top of solar module less than 6"



ALL DIMENSIONS IN METERS



Existing Structure is capable of supporting extra loads of the array being installed



Roof Vent Roof vent shall be moved as required



Rail Rail: Kinetic rapid rail, Extruded Aluminium, Alloy 6060 SF - T54



Anchor Anchor: Kinetic K flash Zilla Double Stud XL

For Structural Engineering only

Andy Smith P.Eng
3715 65 St NW
Edmonton AB T6L1V2
780 604 4259
For Structural Engineering only

31x Trina Solar
Modules: TSM- 300

Inverter: 16x APS YC500i

Capacity: 3.1kW-DC

Azimuth: 270°

Tilt:18.4°



SolarNinjas Energy Solutions Ltd.
#724, 10301 104 St Edmonton AB
weshouldhire@solarninjas.energy
Http://www.SolarNinjas.Energy
Phone : (780) 920.9120

Client: Innisfree Village Office

Site ID: 0010635116014

Land Desc.:

Address:5116 50 Avenue, Innisfree AB

Prepared by: Oluwaseyi Adebola

Date: September 04, 2018

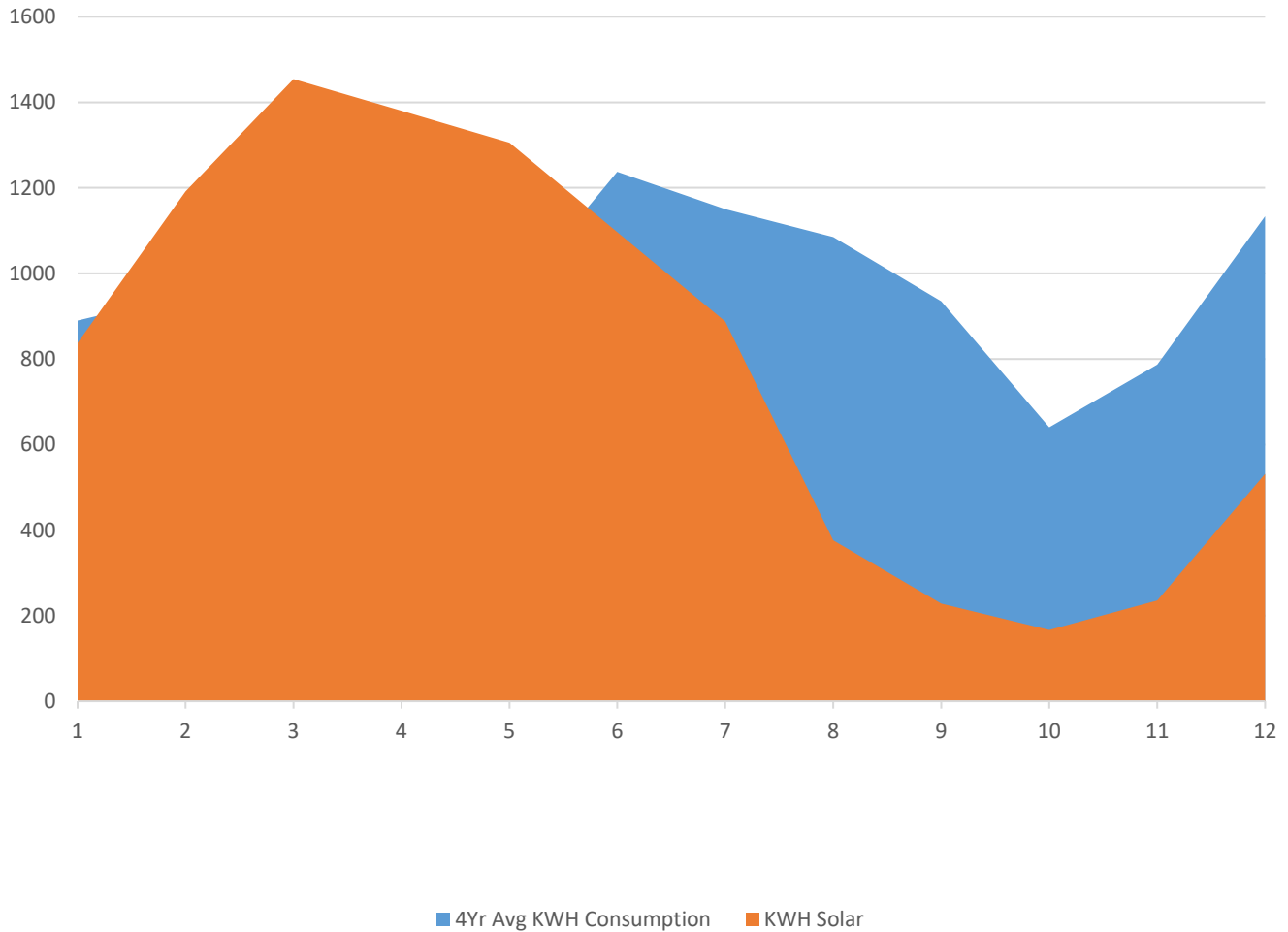
System KW AC/DC: 7.75/9.8

Array KW AC/DC:

Drawing No.

1

Village Office

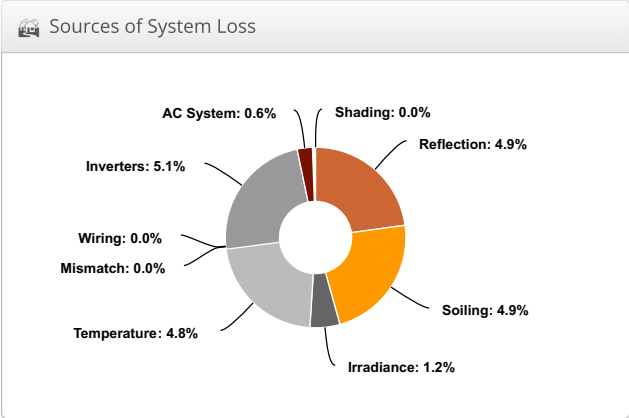
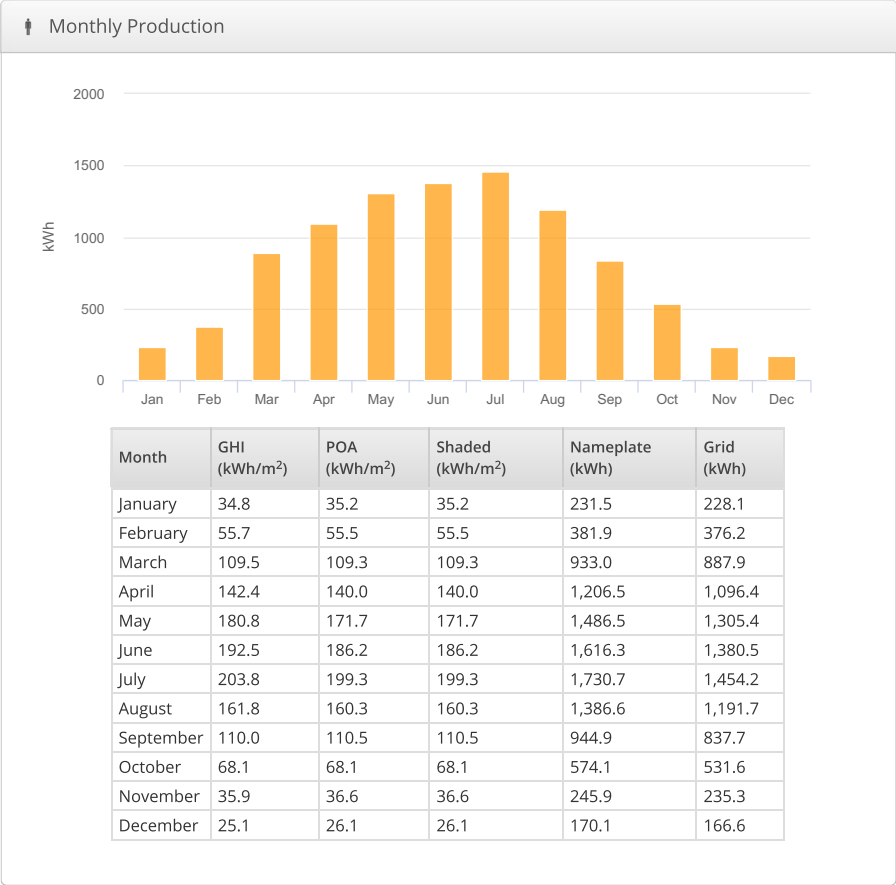
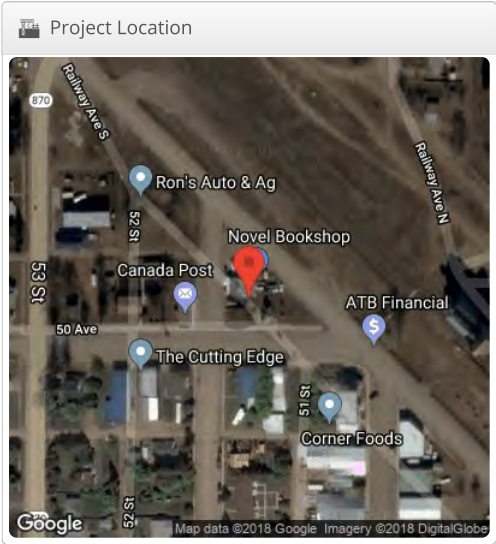


Estimate Month	4Yr Avg KWH Consumption	KWH Solar	Difference KWH	Energy Offset
1	890	837.7	52.3	94.12%
2	950	1191.7	-241.7	125.44%
3	925	1454.2	-529.2	157.21%
4	695	1380.5	-685.5	198.63%
5	932.5	1305.4	-372.9	139.99%
6	1237.5	1096.4	141.1	88.60%
7	1150	887.9	262.1	77.21%
8	1085	376.2	708.8	34.67%
9	935	228.1	706.9	24.40%
10	640	166.6	473.4	26.03%
11	786.6667	235.3	551.3667	29.91%
12	1133.333	531.6	601.733	46.91%
Total or Average	11359.9997	9691.6	1668.3997	85.31%

31 Module YC500i Innisfree Village Office, 5116 50 Avenue, Innisfree Alberta

Report	
Project Name	Innisfree Village Office
Project Address	5116 50 Avenue, Innisfree Alberta
Prepared By	Michael Thomas mike@solarninjas.energy

System Metrics	
Design	31 Module YC500i
Module DC Nameplate	9.30 kW
Inverter AC Nameplate	8.00 kW Load Ratio: 1.16
Annual Production	9,691 MWh
Performance Ratio	80.2%
kWh/kWp	1,042.1
Weather Dataset	TMY, 10km Grid, meteonorm (meteonorm)
Simulator Version	0014cd4152-234c7eae7a-1d399bca3a-9b26f1b083





🏠 Annual Production			
	Description	Output	% Delta
Irradiance (kWh/m²)	Annual Global Horizontal Irradiance	1,320.4	
	POA Irradiance	1,298.8	-1.6%
	Shaded Irradiance	1,298.8	0.0%
	Irradiance after Reflection	1,235.0	-4.9%
	Irradiance after Soiling	1,174.4	-4.9%
	Total Collector Irradiance	1,174.4	0.0%
Energy (kWh)	Nameplate	10,908.1	
	Output at Irradiance Levels	10,782.2	-1.2%
	Output at Cell Temperature Derate	10,267.0	-4.8%
	Output After Mismatch	10,262.1	0.0%
	Optimal DC Output	10,262.1	0.0%
	Constrained DC Output	10,274.4	0.1%
	Inverter Output	9,748.8	-5.0%
	Energy to Grid	9,691.5	-0.6%
Temperature Metrics			
Avg. Operating Ambient Temp		7.1 °C	
Avg. Operating Cell Temp		20.0 °C	
Simulation Metrics			
Operating Hours		4602	
Solved Hours		4602	

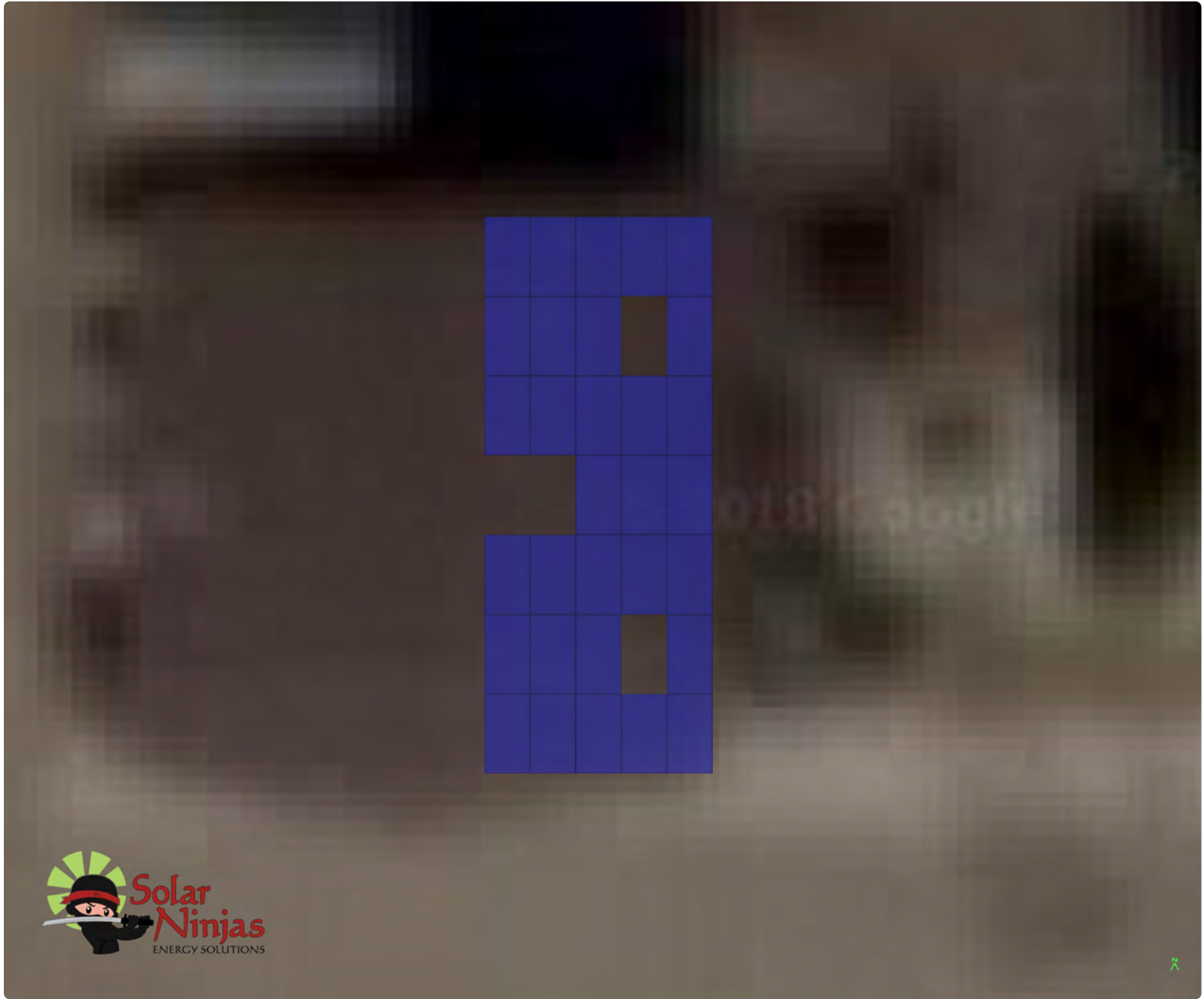
Condition Set												
Description		Condition Set 1										
Weather Dataset		TMY, 10km Grid, meteonorm (meteonorm)										
Solar Angle Location		Meteo Lat/Lng										
Transposition Model		Perez Model										
Temperature Model		Sandia Model										
Temperature Model Parameters	Rack Type	a		b		Temperature Delta						
	Fixed Tilt	-3.56		-0.075		3°C						
	Flush Mount	-2.81		-0.0455		0°C						
Soiling (%)	J	F	M	A	M	J	J	A	S	O	N	D
	20	20	3	3	3	3	3	3	3	3	20	20
Irradiation Variance		5%										
Cell Temperature Spread		4° C										
Module Binning Range		-2.5% to 2.5%										
AC System Derate		0.50%										
Module Characterizations	Module							Characterization				
	TSM-DD05A(II) 300W (Trina Solar)							Spec Sheet Characterization, PAN				
Component Characterizations	Device							Characterization				
	YC500i (240V) (APS)							Spec Sheet				

Components		
Component	Name	Count
Inverters	YC500i (240V) (APS)	16 (8.00 kW)
AC Panels	3 input AC Panel	1
AC Home Runs	12 AWG (Copper)	1 (32.5 m)
AC Branches	8 AWG (Copper)	3 (63.8 m)
Module	Trina Solar, TSM-DD05A(II) 300W (300W)	31 (9.30 kW)

Wiring Zones			
Description	Combiner Poles	String Size	Stringing Strategy
Wiring Zone	12	1-1	Along Racking

Field Segments									
Description	Racking	Orientation	Tilt	Azimuth	Intrarow Spacing	Frame Size	Frames	Modules	Power
West Section	Flush Mount	Landscape (Horizontal)	18.4°	270°	0.0 m	1x1	31	31	9.30 kW

Detailed Layout



Innisfree RV – Recreation Park

The RV Rec Park field nestled against the slope below the highway is in full sun and sure to be an attraction as well as a generator. We were able to match the curve of the landscape with the arrays to enhance performance with reflectivity and maintain a uniform appearance with the environment. It is a long distance from main power connection but well worth the consideration.

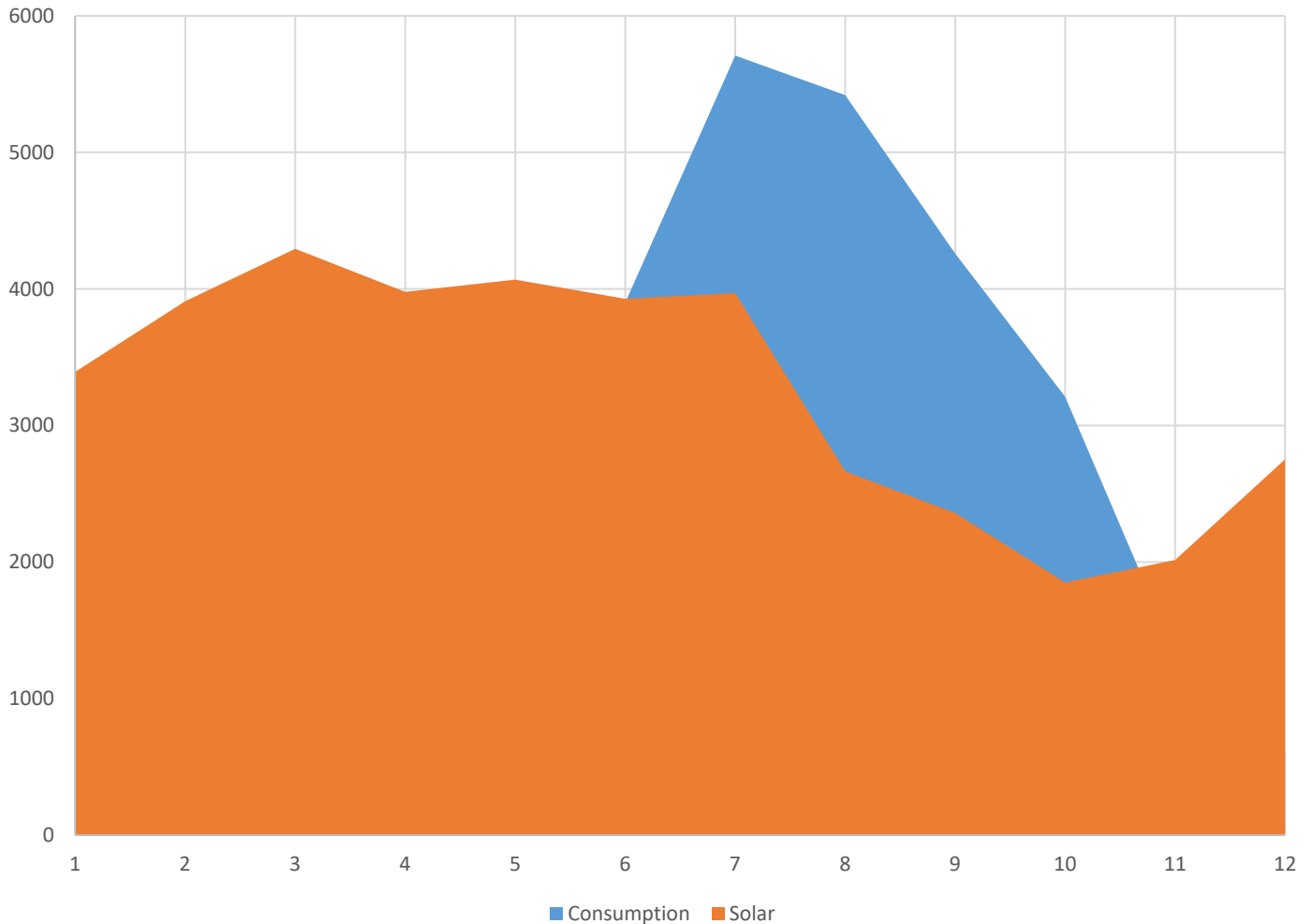
Park Energy demands vary dramatically year over year, in order to gain approval from ATCO we used 7 years of records to get a higher average. Actual performance will likely dramatically outpace these estimations, and even so we will be required to submit a detailed plan for how the municipality will use this extra energy in the future in order to meet the requirements of the Micro-Generation Regulation. Site performance is expected to be stellar and we have designed to the limit of the electrical service to maximise benefit.

Solar generation is estimated to offset approximately 130% of consumption based on 7 year averages. Based on previous 12 months it would offset 260% of consumption resulting in SIGNIFICANT energy sales and room to grow usage with amenities. Estimated solar energy value using August 2018 energy rates is \$2194 with previous 12 months consumption at \$1190, and total charges with GST and Transmission being \$2805.

With reductions in transmission charges accompanying the reduced consumption and surplus sales this site is on the cusp of being net zero total billing and appears to be quite easily net positive generation in even the worst conditions. Scaling these savings up with future energy costs gives a very rosy picture of savings.



RV Park



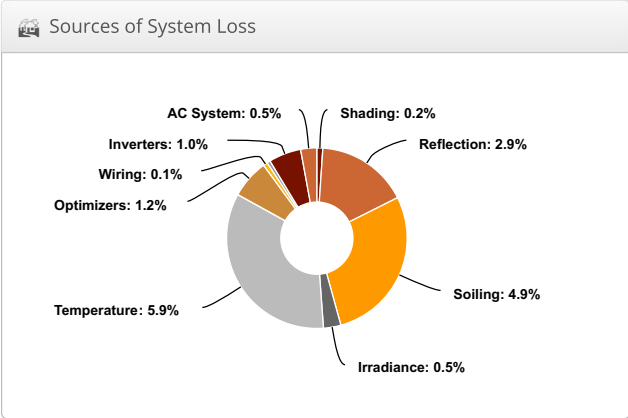
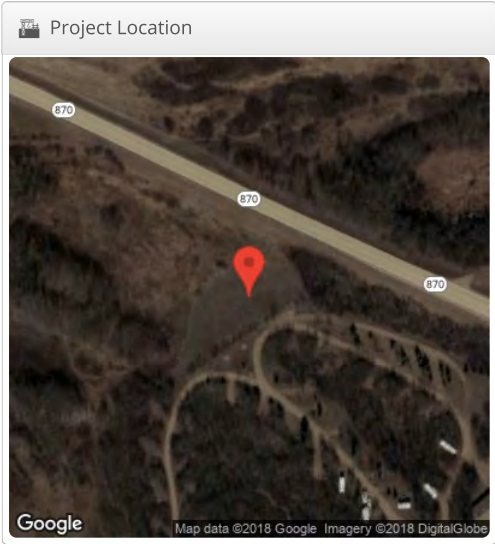
Estimate month	7yr Avg Consumption	KWH Solar	Difference KWH	Energy Offset
1	424.125	3393.1	-2968.975	800.02%
2	311.625	3911.3	-3599.675	1255.13%
3	485.25	4294	-3808.75	884.90%
4	1021.143	3978	-2956.857	389.56%
5	3390.5	4068.2	-677.7	119.99%
6	3899.25	3927.5	-28.25	100.72%
7	5709	3970.7	1738.3	69.55%
8	5420.5	2664.5	2756	49.16%
9	4259.875	2359.9	1899.975	55.40%
10	3210.571	1850.9	1359.671	57.65%
11	1326.857	2015.5	-688.643	151.90%
12	607.667	2751.5	-2143.833	452.80%
Total or Average	30066.363	39185.1	-9118.737	130.33%



SolarEdge Landscape 3 array Innisfree RV Park, Innisfree AB

Report	
Project Name	Innisfree RV Park
Project Address	Innisfree AB
Prepared By	Michael Thomas mike@solarninjas.energy

System Metrics	
Design	SolarEdge Landscape 3 array
Module DC Nameplate	26.3 kW
Inverter AC Nameplate	22.8 kW Load Ratio: 1.15
Annual Production	39.19 MWh
Performance Ratio	83.9%
kWh/kWp	1,491.1
Weather Dataset	TMY, 10km Grid, meteonorm (meteonorm)
Simulator Version	1468d8055c-52441aee5c-623e099696-b542d03352





🏠 Annual Production			
	Description	Output	% Delta
Irradiance (kWh/m²)	Annual Global Horizontal Irradiance	1,320.4	
	POA Irradiance	1,776.6	34.5%
	Shaded Irradiance	1,773.3	-0.2%
	Irradiance after Reflection	1,722.6	-2.9%
	Irradiance after Soiling	1,638.8	-4.9%
	Total Collector Irradiance	1,638.7	0.0%
Energy (kWh)	Nameplate	43,124.6	
	Output at Irradiance Levels	42,892.5	-0.5%
	Output at Cell Temperature Derate	40,357.4	-5.9%
	Output After Mismatch	40,357.4	0.0%
	Optimizer Output	39,873.1	-1.2%
	Optimal DC Output	39,820.5	-0.1%
	Constrained DC Output	39,780.0	-0.1%
	Inverter Output	39,382.2	-1.0%
	Energy to Grid	39,185.3	-0.5%
Temperature Metrics			
Avg. Operating Ambient Temp		7.1 °C	
Avg. Operating Cell Temp		25.2 °C	
Simulation Metrics			
Operating Hours		4602	
Solved Hours		4602	

🔌 Condition Set												
Description	Condition Set 1											
Weather Dataset	TMY, 10km Grid, meteonorm (meteonorm)											
Solar Angle Location	Meteo Lat/Lng											
Transposition Model	Perez Model											
Temperature Model	Sandia Model											
Temperature Model Parameters	Rack Type			a		b		Temperature Delta				
	Fixed Tilt			-3.56		-0.075		3°C				
	Flush Mount			-2.81		-0.0455		0°C				
Soiling (%)	J	F	M	A	M	J	J	A	S	O	N	D
	8	8	4	4	4	4	4	4	4	4	8	8
Irradiation Variance	5%											
Cell Temperature Spread	4° C											
Module Binning Range	-2.5% to 2.5%											
AC System Derate	0.50%											
Module Characterizations	Module							Characterization				
	TSM-DE14A(II) PERC MONO 365 (Trina Solar)							Spec Sheet Characterization, PAN				
Component Characterizations	Device							Characterization				
	P400 NA (SolarEdge)							Mfg Spec Sheet				
	SE7600H-US (SolarEdge)							Spec Sheet				

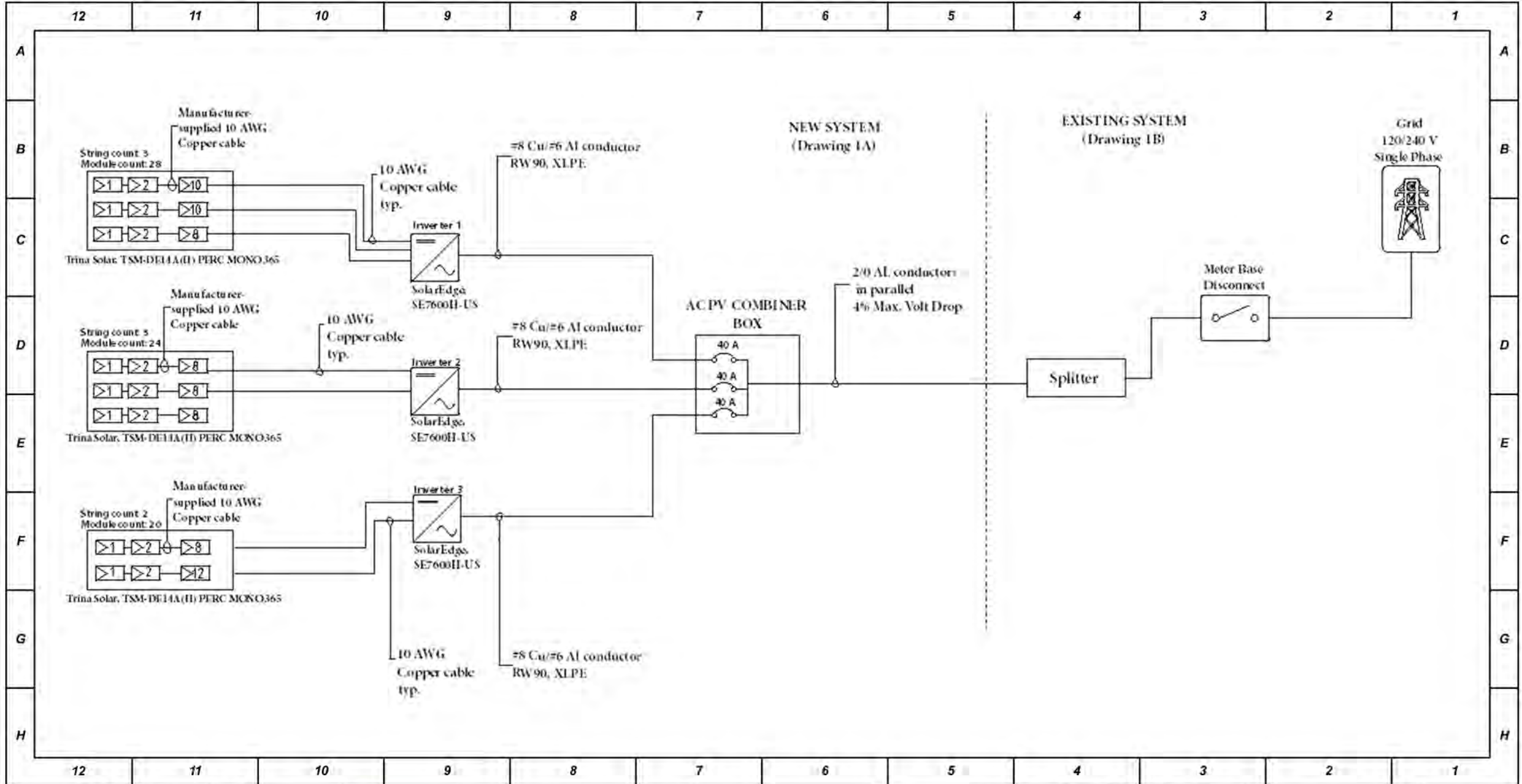
Components		
Component	Name	Count
Inverters	SE7600H-US (SolarEdge)	3 (22.8 kW)
Home Runs	10 AWG (Copper)	6 (29.1 m)
Combiners	1 input Combiner	3
Combiners	2 input Combiner	3
Strings	10 AWG (Copper)	6 (79.3 m)
Optimizers	P400 NA (SolarEdge)	72 (28.8 kW)
Module	Trina Solar, TSM-DE14A(II) PERC MONO 365 (365W)	72 (26.3 kW)

Wiring Zones			
Description	Combiner Poles	String Size	Stringing Strategy
Centre	12	12-12	Along Racking
West	12	12-12	Along Racking
East	12	12-12	Along Racking

Field Segments									
Description	Racking	Orientation	Tilt	Azimuth	Intrarow Spacing	Frame Size	Frames	Modules	Power
East	Flush Mount	Landscape (Horizontal)	40°	192°	0.0 m	4x6	2	24	8.76 kW
Centre	Flush Mount	Landscape (Horizontal)	40°	190°	0.0 m	4x6	2	24	8.76 kW
West	Flush Mount	Landscape (Horizontal)	40°	185°	0.0 m	4x6	26	24	8.76 kW

Detailed Layout





72x Trina Solar Modules:TSM- 365	Capacity: 26.28kWDC		SolarNinjas Energy Solutions Ltd. #724, 10301 104 St Edmonton AB weshouldhire@solar ninjas.energy Http://www.SolarNinjas.Energy Phone : (780) 920.9120	Client: RV Park	Alberta 870, Innisfree, Alberta, Address: T0B 2G0, Canada	Date: October 2, 2018	Drawing No. 1
Inverter: 3x SolarEdge SE7600H-US				Site ID: 0010808198911	Prepared by: Oluwaseyi Adebola	System KW AC/DC: 22.8/26.8	
SLD-Overview-1				Land Desc.: Rec Park NE 34 50 11 W4	SINGLE-LINE DIAGRAM	Array KW AC/DC:	

Budget Notes

Water Treatment Plant

- Single Project PV Cost Approximately \$74,692 + GST
- Alberta Municipal Solar Program Rebate Approximately \$19,725
- BONUS REBATE 25cents/watt for first time MCCAC application @ \$6,575
- Screw Pile Installation Estimated at approximately \$4,700 + GST
- Electrical from Array Combiner to main power to be performed at cost-plus based on agreed upon rates to best adapt to conditions & save costs with local labour.
- Electrical hookup for utility connection from PumpHouse Circuit Breaker to arrays (100ft distance) Approx \$3725 + Labour
- 25 Year Solar Panel Warranty
- 12 year Inverter Warranty (Extendable to 25 year @ approx. \$500 ea)

New Public Works

- Single Project Cost Approximately \$37,620 + GST
- Alberta Municipal Solar Program Rebate Approximately \$8,550
- Post-Rebate system cost Approximately \$29,070
- 25 year Solar Panel Warranty
- 25 year micro-inverter Warranty
- Conditionally Maintenance Free System.

Village Office

- Single Project Cost Approximately \$30,690 + GST
- Alberta Municipal Solar Program Rebate Approximately \$8,370
- Post-Rebate system cost Approximately \$22,320
- 25 year Solar Panel Warranty
- 25 year micro-inverter Warranty
- Conditionally Maintenance Free System.
- Electrical main panel replacement cost \$2,850 to \$4,200 depending on work scope and additional wiring repairs required to bring main service up to current code and eliminate subpanel (all into one new panel).

Rv Park

- Single Project PV Cost Approximately \$74,692 + GST
- Alberta Municipal Solar Program Rebate Approximately \$19,725
- Screw Pile Installation Estimated at approximately \$4,700 + GST
- Electrical from Array Combiner to main power to be performed at cost-plus based on agreed upon rates as we can find great cost savings with a local/farmer for trenching instead of electricians.
- Electrical Materials for utility connection from Meter Cabinet to array (600 feet distance) Approx \$5,300 + Labour
- 25 Year Solar Panel Warranty
- 12 year Inverter Warranty (Extendable to 25 year @ approx. \$700 ea)

All above prices based on single project cost. Combining 4 projects will result in group savings.

Budget Notes

Please note the following summary includes some additional costs such as screw pile installation and electrical material but omits some costs such as permits & electrical labour for final connections which are always unknown in the case of commercial work. Therefore expect that these values will fluctuate slightly on the water treatment plant and RV – Recreation park based on items like trenching costs, and electrical labour for final days of work doing utility connections. We expect that some savings can be found exploring local options for trenching, labour assistance, and possibly screw pile installation. Communications methods for the two ground mount systems have not been included as they will depend on your choices of cellular or long distance network cabling at an additional cost due to the long distances involved.

The price of our estimation and study package will also be deducted from any work issued based on the scale of the work volume.

Project	Individual Estimated Budget	Rebate	Post-Rebate Estimated Cost
Water Treatment Plant	\$84,117.00	\$26,300.00	\$57,817.00
New Public Works	\$37,620.00	\$8,550.00	\$29,070.00
Village Office	\$30,690.00	\$8,370.00	\$22,320.00
RV - Recreation Park	\$86,792.00	\$19,725.00	\$67,067.00

We anticipate a group savings of \$10,000 to \$12,000 in total should all 4 projects be executed together in a timely fashion.

In pairs, the projects match as follows for some efficiency savings:

- New Public Works
- Village Council office
- RV Rec Park
- Water Treatment Plant

Additional Information & Documents

Suggested Installation Schedule & order if all four projects authorized:

Ground mount systems can be constructed in winter with a small additional cost for drilling screw piles through frozen ground, however trenching components and electrical connection would have to wait for spring and so we advise another order.

1. Screw piles and layout for Water Treatment Plant and RV Rec Park can be marked and installed.
2. New Public Works Building
 - a. This job can be executed in winter as the roof is not asphalt shingles and the building is heated for us. There will be some additional labour time for cold weather but even in early spring it is the likeliest first candidate.
 - b. Good weather in January 2019 would be suitable.
3. Village Office
 - a. Once temperatures are 2 degrees above or below zero and snow is off the roof, installation can proceed.
 - b. Good weather in March 2019
4. RV Park
 - a. Extensive mechanical trenching is required which should be possible by early spring
 - b. Good weather in March – April 2019 (likely completion May 2019)
5. Water Treatment Plant
 - a. Simultaneous execution with RV Park but final utility interconnection at both sites will depend on weather and ground conditions.
 - b. Good weather in March – April 2019 (likely completion May 2019)

Special details for surplus generating sites:

Wires owners are within their rights to force us to justify extensively any surplus generation by providing engineered and paid plans for how you will utilize this energy, a strict and unreasonable interpretation of the MicroGeneration Regulation. ATCO has (after negotiations) agreed with us that as a municipality you should be afforded additional flexibility in those future plans. Increasing power consumption demonstrably at both sites through the winter to demonstrate your increased usage is helpful if you decide to go ahead, and we will work with you to document energy use increases through the use of electric vehicle charging, heat and light as needed to justify the system sizes for your maximum benefit. This applies only to two sites (RV Park and New Public Works Building) where sizeable surplus is expected. This stricter interpretation is new (as recent as October) and we are adapting to meet the requirements.

Additional Efficiency Measures:

While there is nothing required at this time for the RV Rec Park, Water treatment Plant, or New Public Works Building, various measures to be considered for the Village Office include:

- LED lighting upgrade for any remaining fluorescent or incandescent fixtures and bulbs.
- Addition of motion or timer sensor light switches in bathroom
- Upgrade main electrical panel and improve system bonding
- Upgrade all old type electrical outlets and light switches to eliminate arcing, worn, or loose connections, installing dimmers or timers where appropriate.
- Check air conditioning unit for healthy operation, age and efficiency. Adapt its use in summertime to reduce energy demand and if replacement ever warranted ensure highest efficiency model available is chosen.
- Restrict use of block heaters in winter to cords with timers attached, triggered 2 hours before closing hours if in use by staff.
- Study and reduce/eliminate electric heater use in winter for comfort by servicing gas heat system, modifying behaviour slightly, providing warm slippers/boots and comfortable clothing for the season.
- Check operation of any exterior lights and ensure motion sensors are working properly, any lights are LED, and timers are used as appropriate.

Local Opportunity & Involvement:

- Every one of the 4 projects has available work hours for labour assistance to be hired locally which will include trades experience and solar training.
- Nearby Schools to be invited to visit worksites at completion, presentations including material exhibits can be brought to classes to “show & tell”.
- Advice and awareness of local law enforcement to be sought so that opportunity crime, theft, or vandalism is reduced during the initial “it’s new and expensive looking” period of adjustment while extensive outreach is done to engage community support.



SolarEdge Three Phase Inverters for the 208V Grid for North America

SE9KUS / SE14.4KUS

INVERTERS



The best choice for SolarEdge enabled systems

- Specifically designed to work with power optimizers
- Integrated arc fault protection and rapid shutdown for NEC 2014 and 2017, per article 690.11 and 690.12
- UL1741 SA certified, for CPUC Rule 21 grid compliance
- Built-in module-level monitoring
- Internet connection through Ethernet or Wireless
- Small, lightweight, and easy to install outdoors or indoors on provided bracket
- Fixed voltage inverter for longer strings
- Integrated Safety Switch
- Supplied with RS485 Surge Protection Device, to better withstand lightning events

	SE9KUS	SE14.4KUS	
OUTPUT			
Rated AC Power Output	9000	14400	VA
Maximum AC Power Output	9000	14400	VA
AC Output Line Connections	4-wire WYE (L1-L2-L3-N) plus PE or 3 wire Delta		
AC Output Voltage Minimum-Nominal-Maximum ⁽²⁾ (L-N)	105-120-132.5		Vac
AC Output Voltage Minimum-Nominal-Maximum ⁽²⁾ (L-L)	183-208-229		Vac
AC Frequency Min-Nom-Max ⁽²⁾	59.3 - 60 - 60.5		Hz
Max. Continuous Output Current (per Phase)	25	40	A
GFDI Threshold	1		A
Utility Monitoring, Islanding Protection, Country Configurable Set Points	Yes		
INPUT			
Maximum DC Power (Module STC)	12150	19400	W
Transformer-less, Ungrounded	Yes		
Maximum Input Voltage DC to Gnd	250	300	Vdc
Maximum Input Voltage DC+ to DC-	500	600	Vdc
Nominal Input Voltage DC to Gnd	200		Vdc
Nominal Input Voltage DC+ to DC-	400		Vdc
Maximum Input Current	26.5	38	Adc
Maximum Input Short Circuit Current	45		Adc
Reverse-Polarity Protection	Yes		
Ground-Fault Isolation Detection	1MΩ Sensitivity	350kΩ Sensitivity ⁽³⁾	
CEC Weighted Efficiency	96.5	97	%
Night-time Power Consumption	< 3	< 4	W
ADDITIONAL FEATURES			
Supported Communication Interfaces	RS485, Ethernet, ZigBee (optional)		
Rapid Shutdown – NEC 2014 and 2017 690.12	Automatic Rapid Shutdown upon AC Grid Disconnect ⁽⁴⁾		
RS485 Surge Protection	Supplied with the inverter		
STANDARD COMPLIANCE			
Safety	UL1741, UL1741 SA, UL1699B, CSA C22.2, Canadian AFCL according to T.I.L. M-07		
Grid Connection Standards	IEEE1547, Rule 21, Rule 14 (HI)		
Emissions	FCC part15 class B		
INSTALLATION SPECIFICATIONS			
AC output conduit size / AWG range	3/4” minimum / 12-6 AWG	3/4” minimum / 8-4 AWG	
DC input conduit size / AWG range	3/4” minimum / 12-6 AWG		
Number of DC inputs	2 pairs	3 pairs ⁽⁵⁾	
Dimensions (H x W x D)	21 x 12.5 x 10.5 / 540 x 315 x 260		in / mm
Dimensions with Safety Switch (H x W x D)	30.5 x 12.5 x 10.5 / 775 x 315 x 260		in / mm
Weight	73.2 / 33.2	99.5 / 45	lb / kg
Weight with Safety Switch	79.7 / 36.2	106 / 48	lb / kg
Cooling	Fans (user replaceable)		
Noise	< 50	< 55	dBA
Operating Temperature Range	-40 to +140 / -40 to +60 ⁽⁶⁾		°F / °C
Protection Rating	NEMA 3R		

⁽¹⁾ For 277/480V inverters refer to: <http://www.solaredge.com/files/pdfs/products/inverters/se-three-phase-us-inverter-datasheet.pdf>

⁽²⁾ For other regional settings please contact SolarEdge support

⁽³⁾ Where permitted by local regulations

⁽⁴⁾ P/N SE9K-US0xxxxx has Manual Rapid Shutdown for NEC 2014 compliance (NEC 2017 compliance with outdoor installation)

⁽⁵⁾ Field replacement kit for 1 pair of inputs P/N: DCD-3PH-1TBK; Field replacement kit for 3 pairs of fuses and holders P/N: DCD-3PH-6FHK-S1

⁽⁶⁾ For power de-rating information refer to: <https://www.solaredge.com/sites/default/files/se-temperature-derating-note-na.pdf>



Single Phase Inverter with HD-Wave Technology for North America

SE3000H-US / SE3800H-US / SE5000H-US /
SE6000H-US / SE7600H-US / SE10000H-US / SE11400H-US

INVERTERS



Optimized installation with HD-Wave technology

- Specifically designed to work with power optimizers
- Record-breaking efficiency
- Fixed voltage inverter for longer strings
- Integrated arc fault protection and rapid shutdown for NEC 2014 and 2017, per article 690.11 and 690.12
- UL1741 SA certified, for CPUC Rule 21 grid compliance
- Extremely small
- High reliability without any electrolytic capacitors
- Built-in module-level monitoring
- Outdoor and indoor installation
- Optional: Revenue grade data, ANSI C12.20 Class 0.5 (0.5% accuracy)





Single Phase Inverter

with HD-Wave Technology for North America

SE3000H-US / SE3800H-US / SE5000H-US /
SE6000H-US/ SE7600H-US / SE10000H-US / SE11400H-US

	SE3000H-US	SE3800H-US	SE5000H-US	SE6000H-US	SE7600H-US	SE10000H-US	SE11400H-US	
OUTPUT								
Rated AC Power Output	3000	3800 @ 240V 3300 @ 208V	5000	6000 @ 240V 5000 @ 208V	7600	10000	11400	VA
Max. AC Power Output	3000	3800 @ 240V 3300 @ 208V	5000	6000 @ 240V 5000 @ 208V	7600	10000	11400	VA
AC Output Voltage Min.-Nom.-Max. (183 - 208 - 229)	-		-		-	-	-	Vac
AC Output Voltage Min.-Nom.-Max. (211 - 240 - 264)								Vac
AC Frequency (Nominal)				59.3 - 60 - 60.5 ⁽¹⁾				Hz
Maximum Continuous Output Current 208V	-	16	-	24	-	-	-	A
Maximum Continuous Output Current @240V	12.5	16	21	25	32	42	47.5	A
GFDI Threshold				1				A
Utility Monitoring, Islanding Protection, Country Configurable Thresholds				Yes				
INPUT								
Maximum DC Power @240V	4650	5900	7750	9300	11800	15500	17650	W
Maximum DC Power @208V	-	5100	-	7750	-	-	-	
Transformer-less, Ungrounded				Yes				
Maximum Input Voltage				480				Vdc
Nominal DC Input Voltage		380				400		Vdc
Maximum Input Current 208V	-	9	-	13.5	-	-	-	
Maximum Input Current @240V	8.5	10.5	13.5	16.5	20	27	30.5	Adc
Max. Input Short Circuit Current				45				Adc
Reverse-Polarity Protection				Yes				
Ground-Fault Isolation Detection				600ka Sensitivity				
Maximum Inverter Efficiency	99			99.2				%
CEC Weighted Efficiency				99				%
Nighttime Power Consumption				< 2.5				W
ADDITIONAL FEATURES								
Supported Communication Interfaces				RS485, Ethernet, ZigBee (optional), Cellular (optional)				
Revenue Grade Data, ANSI C12.20				Optional ⁽²⁾				
Rapid Shutdown - NEC 2014 and 2017 690.12				Automatic Rapid Shutdown upon AC Grid Disconnect				
STANDARD COMPLIANCE								
Safety				UL1741, UL1741 SA, UL1699B, CSA C22.2, Canadian AFCL according to T.I.L. M-07				
Grid Connection Standards				IEEE1547, Rule 21, Rule 14 (HI)				
Emissions				FCC Part 15 Class B				
INSTALLATION SPECIFICATIONS								
AC Output Conduit Size / AWG Range				3/4" minimum / 14-6 AWG			3/4" minimum / 14-4 AWG	
DC Input Conduit Size / # of Strings / AWG Range				3/4" minimum / 1-2 strings / 14-6 AWG			3/4" minimum / 1-3 strings / 14-6 AWG	
Dimensions with Safety Switch (HxWxD)				17.7 x 14.6 x 6.8 / 450 x 370 x 174			21.3 x 14.6 x 7.3 / 540 x 370 x 185	in / mm
Weight with Safety Switch		22 / 10	25.1 / 11.4	26.2 / 11.9			38.8 / 17.6	lb / kg
Noise			< 25			< 50		dBA
Cooling			Natural Convection			Natural convection		
Operating Temperature Range			-13 to +140 / -25 to +60 ⁽³⁾ (-40°F / -40°C option) ⁽⁴⁾					°F / °C
Protection Rating				NEMA 3R (Inverter with Safety Switch)				

⁽¹⁾ For other regional settings please contact SolarEdge support

⁽²⁾ Revenue grade inverter P/N: SExxxxH-US000NCC2

⁽³⁾ For power de-rating information refer to: <https://www.solaredge.com/sites/default/files/se-temperature-derating-note-na.pdf>

⁽⁴⁾ -40 version P/N: SExxxxH-US000NNU4



THE

TALLMAX^M plus⁺

FRAMED 72-CELL MODULE

72 CELL

MONOCRYSTALLINE MODULE

335-365W

POWER OUTPUT RANGE

18.8%

MAXIMUM EFFICIENCY

0~+5W

POSITIVE POWER TOLERANCE

Founded in 1997, Trina Solar is the world's leading comprehensive solutions provider for solar energy. We believe close cooperation with our partners is critical to success. Trina Solar now distributes its PV products to over 60 countries all over the world. Trina is able to provide exceptional service to each customer in each market and supplement our innovative, reliable products with the backing of Trina as a strong, bankable partner. We are committed to building strategic, mutually beneficial collaboration with installers, developers, distributors and other partners.

Comprehensive Products And System Certificates

IEC61215/IEC61730/UL1703/IEC61701/IEC62716

ISO 9001: Quality Management System

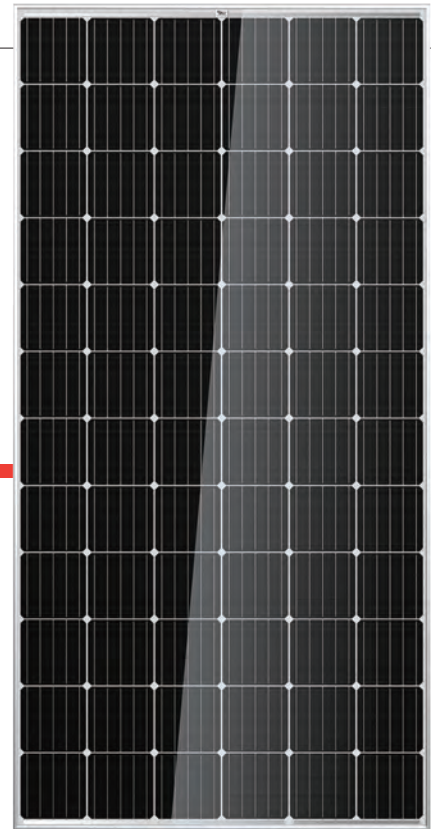
ISO 14001: Environmental Management System

ISO14064: Greenhouse gases Emissions Verification

OHSAS 18001: Occupation Health and Safety Management System



Trinasolar



Excellent low light performance on cloudy days, mornings and evenings

- Advanced surface texturing
- Back surface field
- Selective emitter



Maximize limited space with top-end efficiency

- Up to 188 W/m² power density
- Low thermal coefficients for greater energy production at high operating temperatures



Highly reliable due to stringent quality control

- Over 30 in-house tests (UV, TC, HF, and many more)
- In-house testing goes well beyond certification requirements
- PID resistant
- 100% EL double inspection

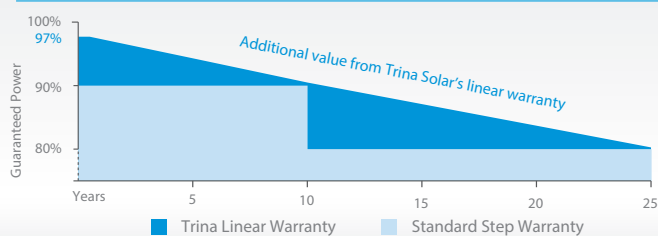


Certified to withstand the most challenging environmental conditions

- 2400 Pa wind load
- 5400 Pa snow load
- 35 mm hail stones at 97 km/h

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty · 25 Year Linear Power Warranty

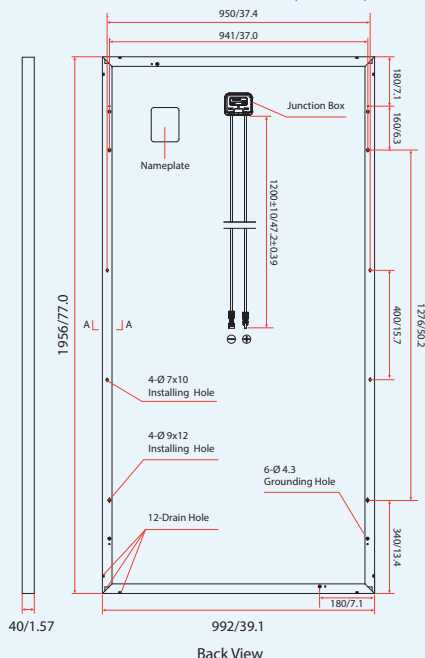


PRODUCTS

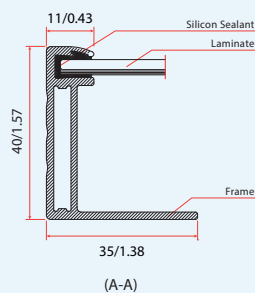
POWER RANGE

TSM-DD14A(II) STD MONO	335-345W
TSM-DD14A(II) PERC MONO	350-365W

DIMENSIONS OF PV MODULE (mm/inch)

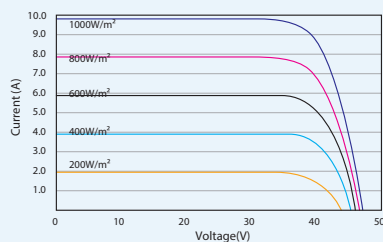


Back View

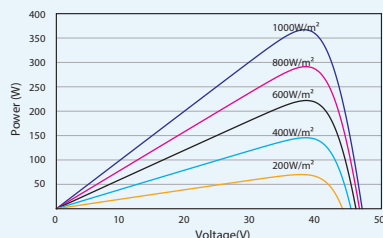


(A-A)

I-V CURVES OF PV MODULE(365W)



P-V CURVES OF PV MODULE(365W)



ELECTRICAL DATA (STC)

Peak Power Watts-P _{MAX} (Wp)*	335	340	345	350	355	360	365
Power Output Tolerance-P _{MAX} (W)	0 ~ +5						
Maximum Power Voltage-V _{MPP} (V)	37.9	38.2	38.4	38.5	38.7	38.9	39.1
Maximum Power Current-I _{MPP} (A)	8.84	8.90	9.00	9.09	9.17	9.26	9.35
Open Circuit Voltage-V _{OC} (V)	46.3	46.5	46.7	46.9	47.0	47.2	47.3
Short Circuit Current-I _{SC} (A)	9.36	9.45	9.50	9.60	9.69	9.79	9.88
Module Efficiency η_p (%)	17.3	17.5	17.8	18.0	18.3	18.5	18.8

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5.
*Measuring tolerance: ±3%.

ELECTRICAL DATA (NOCT)

Maximum Power-P _{MAX} (Wp)	250	253	257	261	264	268	272
Maximum Power Voltage-V _{MPP} (V)	35.1	35.2	35.5	35.6	35.8	35.9	36.1
Maximum Power Current-I _{MPP} (A)	7.12	7.19	7.25	7.33	7.40	7.47	7.54
Open Circuit Voltage-V _{OC} (V)	43.1	43.2	43.4	43.5	43.7	43.8	43.9
Short Circuit Current-I _{SC} (A)	7.56	7.63	7.67	7.75	7.82	7.88	7.95

NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

MECHANICAL DATA

Solar Cells	Monocrystalline 156.75 × 156.75 mm (6 inches)
Cell Orientation	72 cells (6 × 12)
Module Dimensions	1956 × 992 × 40 mm (77.0 × 39.1 × 1.57 inches)
Weight	26.0 kg (57.3 lb) with 4.0 mm glass; 22.5 kg (49.6 lb) with 3.2 mm glass
Glass	4.0 mm (0.16 inches) for PERC Mono; 3.2 mm (0.13 inches) for Standard Mono, High Transmission, AR Coated Tempered Glass
Backsheet	White
Frame	Silver Anodized Aluminium Alloy
J-Box	IP 67 or IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm ² (0.006 inches ²), 1200 mm (47.2 inches)
Connector	MC4 or Amphenol H4/UTX
Fire Type	Type 1 or Type 2

TEMPERATURE RATINGS

NOCT (Nominal Operating Cell Temperature)	44°C (±2°C)
Temperature Coefficient of P _{MAX}	- 0.39%/°C
Temperature Coefficient of V _{OC}	- 0.29%/°C
Temperature Coefficient of I _{SC}	0.05%/°C

MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1000V DC (IEC) 1000V DC (UL)
Max Series Fuse Rating	15A for 335-350W 20A for 355-365W

(DO NOT connect Fuse in Combiner Box with two or more strings in parallel connection)

WARRANTY

10 year Product Workmanship Warranty
25 year Linear Power Warranty

(Please refer to product warranty for details)

PACKAGING CONFIGURATION

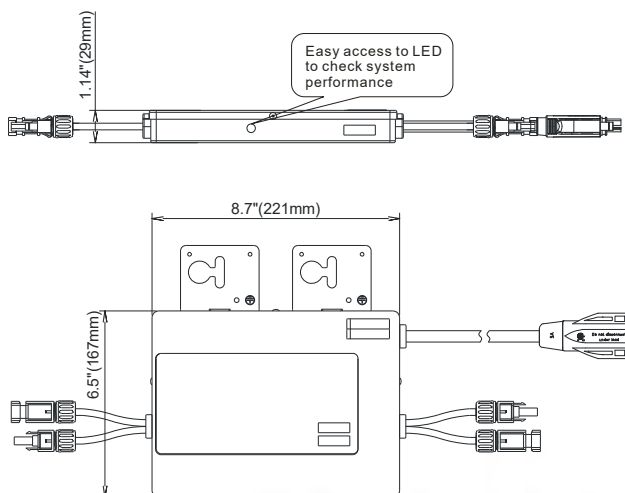
Modules per box: 27 pieces
Modules per 40' container: 648 pieces

YC500I

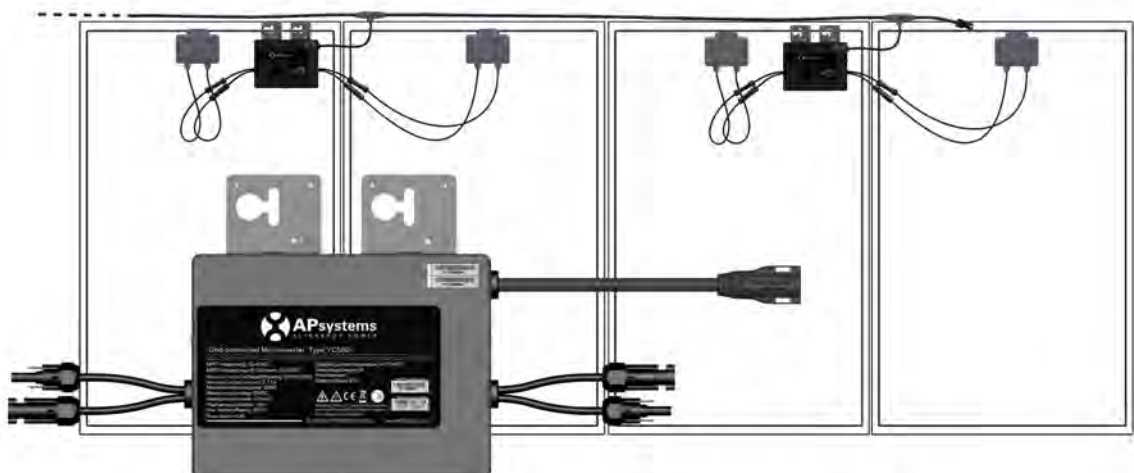
Microinverter

- Single unit connects two solar modules
- Individual MPPT for each module
- Maximum continuous output power 500W

DIMENSIONS



Our flagship product, the APsystems YC500I is a grid-tied microinverter with intelligent networking and monitoring systems to ensure maximum efficiency. Highly dependable and cost effective, the YC500I delivers 250W AC per module with dual MPPT. Half the inverters and half the installation means real cost savings for residential and commercial customers.



APsystems YC500I Microinverter Datasheet

Region

North America

Model

YC500I-NA

Input Data (DC)

MPPT Voltage Range	22V-45V
Operation Voltage Range	16V-52V
Maximum Input Voltage	55V
Startup Voltage	22V
Maximum Input Current	12A x 2

Output Data (AC)

Nominal Output Voltage	208V*	240V*
Peak Output Power	548W	548W
Maximum Continuous Output Power	500W	500W
Nominal Output Current	2.4A	2.08A
Default Output Voltage Range	183V-229V**	211V-264V**
Maximum Output Fault Current (peak)	33.4A	54.8A
Maximum Output Fault Current (RMS)	2.79A	4.85A
Maximum Output Fault Current Duration	1.875ms	1.639ms
Reactive Current	0.1A	
Extended Output Voltage Range	181V-298V	
Nominal Output Frequency	60Hz	
Default Output Frequency Range	59.3Hz-60.5Hz**	
Extended Output Frequency Range	55.1Hz -64.9Hz	
Power Factor	>0.99	
Total Harmonic Distortion	<3%	
Maximum Units Per Branch	6 for 20A Breaker***	7 for 20A Breaker***

Efficiency

Peak Efficiency	95.5%
CEC Weighted Efficiency	95%
Nominal MPPT Efficiency	99.5%
Night Power Consumption	120mW

Mechanical Data

Operating Ambient Temperature Range	-40° F to +149° F (-40 °C to +65 °C)
Storage Temperature Range	-40° F to +185° F (-40 °C to +85 °C)
Dimensions (W x H x D)	8.7" × 6.6" × 1.1" (221mm X 167mm X 29mm)
Weight	5.5lbs (2.5kg)
AC Bus	12AWG
Enclosure Rating	NEMA 6
Cooling	Natural Convection - No Fans

Features & Compliance

Communication(Inverter To ECU)	Power Line Communication
Emissions & Immunity (EMC) Compliance	FCC Part15; ANSI C63.4;ICES-003
Monitoring	Via EMA Software
Transformer Design	High Frequency Transformers, Galvanically Isolated
Safety Class Compliance	UL1741, CSA C22.2 No.107.1-01
Grid Connection Compliance	IEEE1547

*The default AC output is 240V mode. For 208V mode, please set the AC output range through ECU.

**Programmable through ECU to meet customer need.

***Depending on the local regulations.

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Specifications subject to change without notice - please ensure you are using the most recent update found at www.APsystems.com

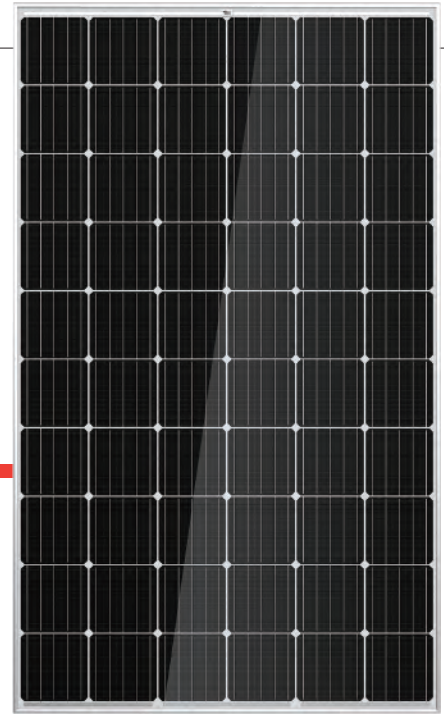
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Rev1.3

1

THE ALLMAX^M PLUS⁺

FRAMED 60-CELL MODULE



60 CELL
MONOCRYSTALLINE MODULE

275-305W
POWER OUTPUT RANGE

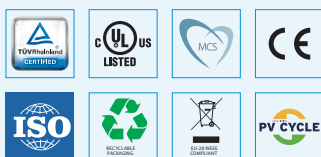
18.6%
MAXIMUM EFFICIENCY

0~+5W
POSITIVE POWER TOLERANCE

Founded in 1997, Trina Solar is the world's leading comprehensive solutions provider for solar energy. We believe close cooperation with our partners is critical to success. Trina Solar now distributes its PV products to over 60 countries all over the world. Trina is able to provide exceptional service to each customer in each market and supplement our innovative, reliable products with the backing of Trina as a strong, bankable partner. We are committed to building strategic, mutually beneficial collaboration with installers, developers, distributors and other partners.

Comprehensive Products And System Certificates

IEC61215/IEC61730/UL1703/IEC61701/IEC62716
ISO 9001: Quality Management System
ISO 14001: Environmental Management System
ISO14064: Greenhouse gases Emissions Verification
OHSAS 18001: Occupation Health and Safety Management System



Trina solar



Excellent low light performance on cloudy days, mornings and evenings

- Advanced surface texturing
- Back surface field
- Selective emitter



Maximize limited space with top-end efficiency

- Up to 186 W/m² power density
- Low thermal coefficients for greater energy production at high operating temperatures



Highly reliable due to stringent quality control

- Over 30 in-house tests (UV, TC, HF, and many more)
- In-house testing goes well beyond certification requirements
- PID resistant
- 100% EL double inspection

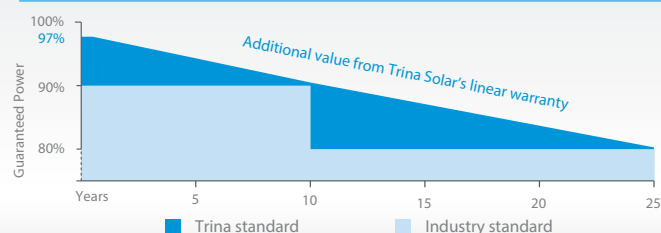


Certified to withstand the most challenging environmental conditions

- 2400 Pa wind load
- 5400 Pa snow load
- 35 mm hail stones at 97 km/h

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty · 25 Year Linear Power Warranty

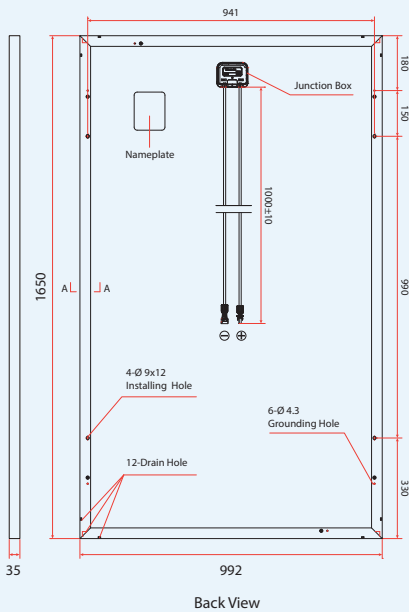


PRODUCTS

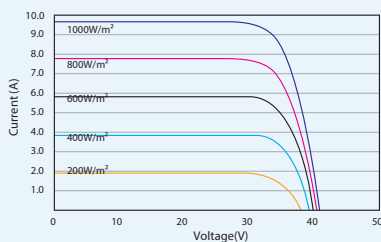
TSM-DD05A(II)	280-305W
TSM-DD05A.08(II)	280-305W
TSM-DD05A.05(II)	275-300W

POWER RANGE

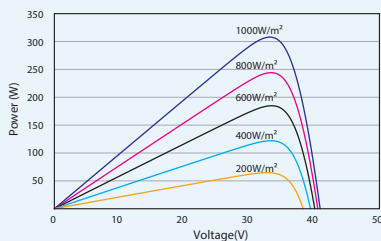
DIMENSIONS OF PV MODULE(mm)



I-V CURVES OF PV MODULE(305W)



P-V CURVES OF PV MODULE(305W)



ELECTRICAL DATA (STC)

Peak Power Watts- P_{MAX} (Wp)*	275	280	285	290	295	300	305
Power Output Tolerance- P_{MAX} (W)	0 ~ +5						
Maximum Power Voltage- V_{MPP} (V)	31.4	31.7	31.8	32.2	32.5	32.6	32.9
Maximum Power Current- I_{MPP} (A)	8.76	8.84	8.97	9.01	9.08	9.19	9.28
Open Circuit Voltage- V_{OC} (V)	38.7	39.0	39.3	39.5	39.7	39.9	40.2
Short Circuit Current- I_{SC} (A)	9.26	9.35	9.45	9.50	9.55	9.64	9.72
Module Efficiency η_p (%)	16.8	17.1	17.4	17.7	18.0	18.3	18.6

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5.

*Measuring tolerance: $\pm 3\%$.

ELECTRICAL DATA (NOCT)

Maximum Power- P_{MAX} (Wp)	205	209	212	216	220	223	227
Maximum Power Voltage- V_{MPP} (V)	29.2	29.4	29.6	29.9	30.2	30.4	30.6
Maximum Power Current- I_{MPP} (A)	7.02	7.10	7.17	7.23	7.28	7.35	7.42
Open Circuit Voltage- V_{OC} (V)	36.0	36.3	36.6	36.7	36.9	37.1	37.3
Short Circuit Current- I_{SC} (A)	7.48	7.55	7.63	7.67	7.71	7.78	7.84

NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

MECHANICAL DATA

Solar Cells	Monocrystalline 156.75 × 156.75 mm (6 inches)
Cell Orientation	60 cells (6 × 10)
Module Dimensions	1650 × 992 × 35 mm (65.0 × 39.1 × 1.38 inches)
Weight	18.6 kg (41.0 lb)
Glass	3.2 mm (0.13 inches), High Transmission, AR Coated Tempered Glass
Backsheet	White [DD05A(II), DD05A.08(II)]; Black [DD05A.05(II)]
Frame	Silver Anodized Aluminium Alloy [DD05A(II)]; Black Anodized Aluminium Alloy [DD05A.08(II), DD05A.05(II)]
J-Box	IP 67 or IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm ² (0.006 inches ²), 1000 mm (39.4 inches)
Connector	QC4 / TS4

TEMPERATURE RATINGS

NOCT (Nominal Operating Cell Temperature)	44°C ($\pm 2^\circ\text{C}$)
Temperature Coefficient of P_{MAX}	- 0.39%/°C
Temperature Coefficient of V_{OC}	- 0.29%/°C
Temperature Coefficient of I_{SC}	0.05%/°C

MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1000V DC (IEC) 1000V DC (UL)
Max Series Fuse Rating	15A

(DO NOT connect Fuse in Combiner Box with two or more strings in parallel connection)

WARRANTY

10 year Product Workmanship Warranty
25 year Linear Power Warranty

(Please refer to product warranty for details)

PACKAGING CONFIGURATION

Modules per box: 30 pieces
Modules per 40' container: 840 pieces



Power Optimizer

P320 / P370 / P400 / P405 / P505



POWER OPTIMIZER

PV power optimization at the module-level

- Specifically designed to work with SolarEdge inverters
- Up to 25% more energy
- Superior efficiency (99.5%)
- Mitigates all types of module mismatch losses, from manufacturing tolerance to partial shading
- Flexible system design for maximum space utilization
- Fast installation with a single bolt
- Next generation maintenance with module-level monitoring
- Meets NEC requirements for arc fault protection (AFCI) and Photovoltaic Rapid Shutdown System (PVRSS)
- Module-level voltage shutdown for installer and firefighter safety

OPTIMIZER MODEL (typical module compatibility)	P320 (for high-power 60-cell modules)	P370 (for higher-power 60 and 72-cell modules)	P400 (for 72 & 96-cell modules)	P405 (for thin film modules)	P505 (for higher current modules)	
INPUT						
Rated Input DC Power ⁽¹⁾	320	370	400	405	505	W
Absolute Maximum Input Voltage (Voc at lowest temperature)	48	60	80	125 ⁽²⁾	83 ⁽²⁾	Vdc
MPPT Operating Range	8 - 48	8 - 60	8 - 80	12.5 - 105	12.5 - 83	Vdc
Maximum Short Circuit Current (Isc)	11		10.1		14	Adc
Maximum DC Input Current	13.75		12.63		17.5	Adc
Maximum Efficiency			99.5			%
Weighted Efficiency		98.8			98.6	%
Overvoltage Category			II			
OUTPUT DURING OPERATION (POWER OPTIMIZER CONNECTED TO OPERATING SOLAREEDGE INVERTER)						
Maximum Output Current			15			Adc
Maximum Output Voltage		60		85		Vdc
OUTPUT DURING STANDBY (POWER OPTIMIZER DISCONNECTED FROM SOLAREEDGE INVERTER OR SOLAREEDGE INVERTER OFF)						
Safety Output Voltage per Power Optimizer			1 ± 0.1			Vdc
STANDARD COMPLIANCE						
EMC		FCC Part15 Class B, IEC61000-6-2, IEC61000-6-3				
Safety		IEC62109-1 (class II safety), UL1741				
RoHS		Yes				
INSTALLATION SPECIFICATIONS						
Maximum Allowed System Voltage			1000			Vdc
Compatible inverters		All SolarEdge Single Phase and Three Phase inverters				
Dimensions (W x L x H)	128 x 152 x 28 / 5 x 5.97 x 1.1	128 x 152 x 36 / 5 x 5.97 x 1.42	128 x 152 x 50 / 5 x 5.97 x 1.96	128 x 152 x 59 / 5 x 5.97 x 2.32		mm / in
Weight (including cables)	630 / 1.4	750 / 1.7	845 / 1.9	1064 / 2.3		gr / lb
Input Connector		MC4 ⁽³⁾				
Output Wire Type / Connector		Double Insulated; MC4				
Output Wire Length	0.95 / 3.0		1.2 / 3.9			m / ft
Operating Temperature Range		-40 - +85 / -40 - +185				°C / °F
Protection Rating		IP68 / NEMA6P				
Relative Humidity		0 - 100				%

⁽¹⁾ Rated STC power of the module. Module of up to +5% power tolerance allowed

⁽²⁾ NEC 2017 requires max input voltage be not more than 80V

⁽³⁾ For other connector types please contact SolarEdge

PV SYSTEM DESIGN USING A SOLAREEDGE INVERTER ⁽⁴⁾⁽⁵⁾		SINGLE PHASE HD-WAVE	SINGLE PHASE	THREE PHASE 208V	THREE PHASE 480V	
Minimum String Length (Power Optimizers)	P320, P370, P400	8		10	18	
	P405 / P505	6		8	14	
Maximum String Length (Power Optimizers)		25		25	50 ⁽⁶⁾	
Maximum Power per String		5700 (6000 with SE7600-US - SE11400- US)	5250	6000 ⁽⁷⁾	12750 ⁽⁸⁾	W
Parallel Strings of Different Lengths or Orientations			Yes			

⁽⁴⁾ For detailed string sizing information refer to: http://www.solaredge.com/sites/default/files/string_sizing_na.pdf

⁽⁵⁾ It is not allowed to mix P405/P505 with P320/P370/P400/P600/P700/P800 in one string

⁽⁶⁾ A string with more than 30 optimizers does not meet NEC rapid shutdown requirements; safety voltage will be above the 30V requirement

⁽⁷⁾ For SE14.4KUS/SE43.2KUS: It is allowed to install up to 6,500W per string when 3 strings are connected to the inverter (3 strings per unit for SE43.2KUS) and when the maximum power difference between the strings is up to 1,000W

⁽⁸⁾ For SE30KUS/SE33.3KUS/SE66.6KUS/SE100KUS: It is allowed to install up to 15,000W per string when 3 strings are connected to the inverter (3 strings per unit for SE66.6KUS/SE100KUS) and when the maximum power difference between the strings is up to 2,000W



Innisfree Village Council

5116 50 Ave
Innisfree, Alberta T0B 2G0

For Services Rendered

Invoice #110

From SolarNinjas Energy Solutions Ltd.
780 920 9120
mike@solarninjas.energy
Http://Www.SolarNinjas.Energy
#724. 10301 104st Edmonton AB
T5J1B9

Client Phone 780-787-0574

Bill To 5116 50 Ave
Innisfree, Alberta T0B 2G0

Issued 2018-11-20

Due **2018-11-20**

SERVICE / PRODUCT	DESCRIPTION	QTY.	UNIT COST	TOTAL
2018-11-21				
Design Consult services for Innisfree village for 4 sites	<p>4 potential solar assessment locations will be studied and the following work product will be produced for the village of Innisfree:</p> <ul style="list-style-type: none"> - Solar Installation Design complete with equipment suggestions and pricing for individual sites and complete package of 4 sites. - Solar Generation estimations for each site - Shade or other performance issues identified and mitigation plans documented. - Electrical estimating complete for all projects. - Photo documentation of each site - Engineer reviewed structural and electrical drawings for each site - Cost savings estimated based on billing data for each site from utility accounts. - Manufacturer technical information provided on all equipment chosen. - Installation schedule outlined for each project. - Media Plan (How we intend to enable Innisfree to get maximum attention as a result of any projects executed) - Efficiency Improvement plan for energy use at each site (additional tasks to reduce energy use etc) - Plans reviewed by regional authorities (permit issuer, FORTIS etc) for pre-approval of designs. <p>Documentation packages suitable for comparison shopping or issuing for tender.. or approving for us to proceed.</p>	1	\$4,355.00	\$4,355.00

Thank you for your business. Please contact us with any questions regarding this invoice.

GST 76535 8692

Subtotal	\$4,355.00
GST # (5.0%)	\$217.75
Total	\$4,572.75
Account balance	\$4,572.75



ALBERTA
SENIORS AND HOUSING

*Office of the Minister
MLA, Edmonton-Riverview*

RECEIVED
JAN 08 2019

AR 46366

January 3, 2019

Dear Stakeholder:

The Minister's Seniors Service Awards recognize the important volunteer work that individuals and organizations provide to assist seniors and our communities in Alberta each year. To date, the awards program has honoured 145 recipients.

Enclosed is a poster and nomination booklet for the 2019 Minister's Seniors Service Awards. Please consider nominating volunteers in your community and help promote the awards by displaying the poster and spreading the word. The deadline for nominations is February 28, 2019.

Nominees will be recognized at community celebrations taking place across Alberta in the summer, and award recipients will be recognized at a ceremony in the fall. Additional information will be provided closer to the event date.

Please visit my ministry's website at www.alberta.ca/ministry-seniors-housing.aspx or email seniorsinformation@gov.ab.ca for more information.

Thank you for supporting seniors in Alberta.

Sincerely,

Lori Sigurdson
Minister of Seniors and Housing

Enclosure

Village of Innisfree (CAO)

From: Leanne Anderson <landerson@auma.ca>
Sent: February 12, 2019 9:26 AM
Subject: Exciting Upcoming March EOEP Courses

Thank you for your continuing support by attending EOEP courses. Furthering your education and being the best elected official for your municipality is our mutual goal and we have several courses upcoming in March that we know will be beneficial to you as you navigate your role in the world of municipal politics:

March 18, 2019 – in conjunction with the RMA convention at the Edmonton Convention Centre

- Community Development Through Citizen Engagement
<https://rma.inviteright.com/event/response/E37376DB/JUEzZSVCOVMIMUNEJUU0dGxwJTNFKyVCNSVFNjEIREYyJTgzJTfBJTNGJTBFWiU3QiU5MCU3RXMIOUEIMjcdN0QIRkeIMUYIMUI=/0>
- Land Use and Development Approvals
<https://rma.inviteright.com/event/response/E37376DB/JUEzZSVCOVMIMUNEJUU0dGxwJTNFKyVCNSVFNjEIREYyJTgzJTfBJTNGJTBFWiU3QiU5MCU3RXMIOUEIMjcdN0QIRkeIMUYIMUI=/0>

March 26, 2019 in conjunction with AUMA's Municipal Leader's Caucus in at AUMA's office in Edmonton

- Council's Role in Municipal Service Delivery
<http://www.cvent.com/d/h6gm43>

We welcome you to attend any or all of these courses and look forward to seeing you there. Visit eoep.ca to find out more about these courses.

The EOEP also works with municipalities to co-host courses. If your municipality may be interested in hosting a course for yourself and other municipalities in your region, contact EOEP Registrar Leanne Anderson at registrar@eoep.ca or by calling 780-989-7431. In particular we know there are a number of new councillors who would benefit from attending Munis 101 and interested in re-offering this course in 2019 in regions who need most. Let us know if you region would benefit from Munis 101.

Leanne Anderson
Registrar

P: 780-989-7431
E: landerson@auma.ca



This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the sender. This message contains confidential information and is intended only for the individual named. If you are not the named addressee, you should not disseminate, distribute or copy this email.

Spring 2019 Municipal Leaders' Caucus
March 27 and 28, 2019
Edmonton Convention Centre, 9797 Jasper Ave, Edmonton
Subject to Change

Wednesday, March 27	
7:00 a.m.	Registration for Mayors' Caucus Opens
7:30 a.m.	Buffet Breakfast
8:30 a.m.	President's Opening Remarks
8:45 a.m.	Session I – Municipal Funding Framework This session will provide an update on AUMA's work to negotiate a new municipal funding framework with the province, as well as principles for funding allocations.
9:45 a.m.	Session II – Political Panel on Municipal Issues Representatives from the major political parties will speak to each party's municipal policy platform. Members will have the opportunity to ask questions on key municipal issues.
10:45 a.m.	Break
11:00 a.m.	Session III – Transitioning the Provincial Government This session will provide information on how provincial government administration works with elected officials during times of transition, and opportunities for external stakeholders to influence policy at these times.
12:00 p.m.	Lunch
1:00 p.m.	Session IV – Media Panel In this session, political analysts from the media will share their thoughts and predictions on the upcoming election.
2:00 p.m.	Session V – Indigenous Councils and Elections This session will educate members on how First Nations elect tribal councils, and how municipalities can work with tribal councils to achieve regional outcomes.
3:00 p.m.	Break
3:15 p.m.	Session VI – Local Authorities Election Act Lawyers from Reynolds, Mirth, Richards and Farmer will provide an overview of changes to the Local Authorities Election Act and the resulting impact on municipalities.
4:15 p.m.	President's Closing Remarks
4:30 to 6:30 p.m.	Networking session

Thursday, March 28	
7:00 a.m.	Registration and Buffet Breakfast
8:00 a.m.	Session VII – AUMA Election Strategy Global Public Affairs will give an overview of AUMA’s election strategy and talk about how AUMA members can mobilize to advance our role as community builders, economic drivers, and vital partners prior to the provincial election.
9:30 a.m.	AUMA President’s Report AUMA President Barry Morishita will update members on: <ul style="list-style-type: none"> • Member survey results; • Past and future advocacy work on priority issues for municipalities; and • AUMA’s efforts in partnering with and mobilizing energy resource communities to campaign for pipelines and responsible resource development.
9:45 a.m.	Executive Committee Dialogue Session
10:15 a.m.	RFDs
10:30 a.m.	Political Leaders Dialogue Sessions This session will feature speakers from: <ul style="list-style-type: none"> • The New Democratic Party; • The Alberta Liberal Party; • The United Conservative Party; and • The Alberta Party.
12:00 p.m.	Closing Remarks and Provincial Leaders’ Lunch



LGAA ANNUAL CONFERENCE & TRADE SHOW

THEME: EVOLVING LEADERSHIP

APRIL 3-5, 2019

SHERATON RED DEER HOTEL

RED DEER, ALBERTA



PRESENTED IN PROUD PARTNERSHIP WITH THE
ALBERTA URBAN MUNICIPALITIES ASSOCIATION

WELCOME

Dear Participant,

The LGAA Board is thrilled to invite you to attend the 60th Annual LGAA Conference and Tradeshow presented in official partnership with the [Alberta Urban Municipalities Association \(AUMA\)](#). This year, our theme is [EVOLVING LEADERSHIP](#) which is fitting given that it's our diamond anniversary of providing excellence and building network strength for municipalities in Alberta. Over the years, we have provided thousands of dedicated municipal public servants with invaluable resources, opportunities, and ongoing connections.

Our conference this year highlights the significance of leadership, collaboration, and adaptability required for the strength and resiliency municipalities in Alberta continuously demonstrate. The LGAA looks forward to welcoming you to another year of excellence in municipal administration.

Sincerely,

Kelly Lloyd
President, LGAA

AGENDA OVERVIEW

TUESDAY, APRIL 2, 2019 | 7:30 PM - 10:00 PM
KICK-OFF NETWORKING SESSION & MEET AND GREET
HOSTED BY THE LGAA BOARD

WEDNESDAY, APRIL 3, 2019 | 8 AM-9 PM
EVOLVING LEADERSHIP SESSIONS
ANNUAL GENERAL MEETING (AGM)
HOSPITALITY SUITE, HOSTED BY AUMA

THURSDAY, APRIL 4, 2019 | 8 AM - 11 PM
EVOLVING LEADERSHIP SESSIONS
FORMAL EVENING BANQUET

FRIDAY, APRIL 5, 2019 | 9 AM-12 PM
EVOLVING LEADERSHIP SESSIONS
PRIZE DRAWS AND CLOSING REMARKS

8:00 - 9:00 am | Breakfast

9:00 - 9:20 am | Official Welcome & Greetings from President

9:20 - 9:30 am | Sponsor Spotlight | Presented by Trinus

9:30 - 10:30 am | Ask More, Not Less: How to Fix Burnout and Unlock Performance | Presented by Brady Wilson, Juice Inc.

Are you burning out superstars? When you need to get stuff done fast- and right- who do you go to? Your go-to people. But this has a shelf-life. Your superstars end up overwhelmed and everybody else underutilized. The solution is surprising: ask for more...but the right kind of more. It'll get you results and leave your employees both engaged and energized. You will learn how to keep people from acting out, checking out, and burning out.

10:30 - 11:00 am | Networking Break

11:00 - 11:10 am | Sponsor Spotlight | Presented by our Diamond Partner AUMA

11:10 am - 12:00 pm | Session | Top Ten Promising Practices of How Municipalities Can Create More Inclusive Communities | Presented by Darren Reedy from AUMA

There are numerous examples across Canada of how municipal governments are taking steps to be more inclusive employers, service providers, and leaders to overcome issues of social exclusion. This session will explore the value of inclusive organizations and highlight the most unique, practical and cost-efficient examples of how municipal governments can take action.



12:00 - 1:00 pm | AGM Lunch

Attention members! Join us at the AGM and listen to the latest news from LGAA. The Canadian Association of Municipal Administrators (CAMA), the Society of Local Government Managers (SLGM), and the Alberta Rural Municipal Administrators' Association (ARMAA) will also be on hand to bring greetings and highlight their work.

1:00 - 2:30 pm | Caucus Session | Brownlee LLP

Join municipal staff (from communities similar in size to yours) in a discussion about issues, best practices and more! New this year: Lawyers from Brownlee LLP will be present at each session for a bear-pit style question period.

2:30 - 2:50 pm | Networking Break

2:50 - 3:00 pm | Sponsor Spotlight | Presented by Brownlee LLP

3:00 - 4:00 pm | Unleashing Your Disruptive Behaviour | Presented by Graham Sherman, Tool Shed Brewing Company

The concept of “Disruptive Marketing” has become so buzz-wordy that we often mistake simply being “innovative” with being disrupting. Truly standing out in a tough economy, against monster-sized competition requires the use of part of our brains we don’t often access. In fact, we’ve been taught to suppress our disruptive behaviour since childhood - but now it’s time to harness those powers of disruption for the benefit of successes. After hearing Graham’s stories and insights, you’ll walk away incredibly inspired and with a clear path to unleashing your own disruptive behaviour to transform your approach to business.

4:00 - 5:30 pm | Super Session | Beer Tasting | Tool Shed Brewing Company

5:30 - 9:00 pm | Hospitality Suite | Presented by our Diamond Partner AUMA

THURSDAY APRIL 4, 2019



8:00 - 10:00 am | Breakfast in Tradeshow Area

Network with vendors from across the Province during breakfast.

10:00 - 10:05 am | Greetings

10:05 - 10:15 am | Sponsor Spotlight

10:15 - 11:30 am | Session | Flexing Your Vocal Muscle: Powerful Public Speaking Techniques | Presented by Nicola Crosbie

The voice is the most powerful instrument you have to communicate your message. Your choice of words, inflection, and volume contribute to how deeply you connect to the hearts of your audience. This session provides you with tools and techniques to energize and spark your confidence to speak to a group of five or a crowd of one thousand.

11:30 am - 1:15 pm | Lunch in Tradeshow Area

Network and chat with vendors one last time. Stick around for some great prizes!

1:15-1:20 pm | Sponsor Spotlight

1:20 - 2:30 pm | Peer Panel | Leadership in Turbulent Times w/ Kelly Kloss, Stephane Labonne, & Joyce Tustian | Moderated by Tom Goulden

This session will include leadership lessons learned through experience. Hear from seasoned municipal leaders as they discuss insights gained from leading Council, staff and their communities. Challenging times require inspired leadership; this interactive session will give you a chance to listen and ask questions of those who have been through numerous challenges.

2:30-2:45 pm | Networking Break

2:45-2:50 pm | Sponsor Spotlight**2:50 - 3:00 pm | Mini Session | Western Canada Municipal Innovation Survey | Presented by Chris Lavin, MNP Consulting Services**

How do we keep up? What can we do differently? What are our peers doing, and can we do the same? These are questions on the minds of many municipal executives and seemingly never enough time to explore as deeply as we want. There is a lot of value in gathering and sharing insights into what Western Canadian municipalities are doing. MNP's Innovation Survey will dive into these questions.

3:00 - 4:00 pm | Legal Session | Municipalities Under Attack - Ransomware and Privacy Breaches | Presented by Brownlee LLP

Canadian municipalities have become the next target of ransomware attacks. This along with privacy breaches means you must be vigilant and proactive in securing electronic networks to protect from such attacks. This session will discuss the legal implications of ransomware attacks and privacy breaches and the obligations of municipalities to secure data.

6:00 pm | Cocktails & Banquet | Recognitions for Years of Service | Entertainment (Casino Royale)

Celebrate our Diamond Anniversary, James Bond style! Join us for a Vegas experience that will challenge experienced players and teach the new without "breaking the bank." All conference delegates will be provided with fun money to play the night away. Dealer-manned tables include Blackjack, Poker, Roulette and Craps.

If, gambling isn't for you, enjoy a cocktail or two in the GLOW LOUNGE. The LED light cubes provide the perfect atmosphere to mix and mingle all night long.

*Attire: Dress to impress!





8:00 - 9:00 am | Breakfast

9:00 - 9:05 am | Greetings

9:05 - 9:10 am | Sponsor Spotlight

9:10 - 10:10 am | Government Session | Presented by Alberta Municipal Affairs

This interactive session will provide an opportunity for delegates to hear from various Alberta Municipal Affairs staff on current activities.

10:10 - 10:20 am | Networking Break

10:20 - 10:30 am | Sponsor Spotlight

10:30 - 11:45 am | Session | The Lost Art of Critical Thinking | Presented by Brett Wilson

Through demonstrating that 'words have meaning', Brett will share his frustration with our frequent lack of "critical thinking" over key issues facing Canada. He takes simple concepts and challenges why we accept them to be true and encourage the audience to keep the conversation going. Through this critical thinking analysis, he will share stories about his successes, mistakes, and how he found a work/life balance to prove that it is possible to succeed in business (and life) without losing principles.

11:45 am | Prize Draws & Closing Remarks



**Find all the LGAA Conference and
Tradeshow news, updates, and more by
following us on Twitter and LinkedIn**

HOW TO REGISTER

Register online at www.lgaa.ab.ca

Registration Opens January 2nd, 2019

Conference Registration Fees:

Wednesday, Thursday, & Friday

\$485+GST for LGAA members

\$585+GST for non-members

Additional Banquet Tickets - \$60+GST

WHERE TO STAY

HOST HOTEL - Sheraton Red Deer Hotel and Conference Centre

3310 - 50 Avenue, Red Deer

403-346-2091 | **Reserve Your Room Online**

When calling to book a room, please let the reservation agent know that you are attending the LGAA Conference and Trade Show.

Sandman Hotel

2818 Gaetz Avenue, Red Deer

403-343-7400

Baymont Inn & Suites

4311-49 Avenue, Red Deer

403-346-8841

Notice of applications

Applications for Transmission Line 7L65 Rebuild Project

Proceeding 24102

Applications 24102-A001 to 24102-A004

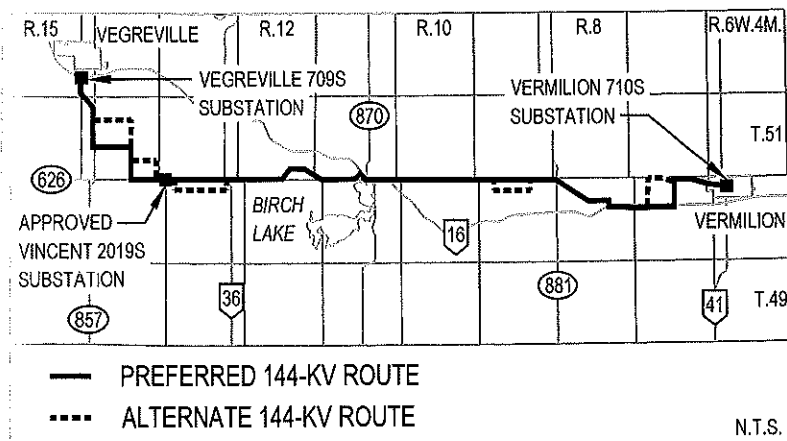
ATCO Electric Ltd. has filed applications for new transmission lines in the Vegreville and Vermilion areas

The Alberta Utilities Commission (AUC), the independent utilities regulator, will be considering the transmission development applications in Proceeding 24102. If you feel you may be affected by these applications you can provide input to the AUC to review before it makes its decision.

ATCO Electric Ltd. has applied, under the *Hydro and Electric Energy Act*, to rebuild the existing Transmission Line 7L65 to allow the facility to operate at full thermal capacity. Transmission Line 7L65 is located between the existing Vegreville 709S Substation and the existing Vermilion 710S Substation.

Written submissions are due March 8, 2019

Information session



The AUC will be holding an information session to present information about how you may become involved in this proceeding and the funding which may be available to you to support your position, which includes costs for legal representation and expert witnesses. The project and its merits will not be discussed at this session:

Pomeroy Inn & Suites
 6539 Highway 16A W, Vegreville, Alta. T9C 0A3
 Monday, February 25, 2019, at 7 p.m.

If you cannot attend the information session, but want to learn more about the review process please contact us or visit our website and review the information under "Have your say" and under "Review process."

Application summary

ATCO Electric Ltd. is seeking approval to construct a new single-circuit 144-kilovolt (kV) transmission line. This new line will replace the existing Transmission Line 7L65, which is approximately 93 kilometres (km) in length. The rebuilt line will consist of an approximately 22-km segment (designated as Transmission Line 7L134) between the Vegreville 709S Substation and the approved Vincent 2019S Substation, and an approximately 77-km segment (designated as new Transmission Line 7L65) between the Vincent 2019S Substation and the Vermilion 710S Substation.

The attached map identifies the applied-for routes, which include a preferred route and five alternative route segments (collectively called the alternate route) for new Transmission Line 7L65 and Transmission Line 7L134. The Commission may approve the preferred route, the alternate route, or a combination of the preferred route and one or more alternative route segments.

ATCO Electric Ltd. is also seeking approval to alter the approved Transmission Line 7LA65, by moving the approved tap location on Transmission Line 7L65 to a point on new Transmission Line 7L65, and to alter the existing 144-kV Transmission Line 7L129. The alteration of Transmission Line 7L129 would involve rebuilding approximately 800 metres of this line on double-circuit structures with new Transmission Line 7L65. The double-circuit transmission line segment would be located in the northeast quarter of Section 36, Township 50, Range 7, west of the Fourth Meridian.

RECEIVED

FEB 13 2019

Additional information

The applications and any associated documents are publicly available and can be accessed from the eFiling System on the AUC website www.auc.ab.ca. Alternatively, for more information about what is being applied for, or for a copy of the applications, please contact:

ATCO Electric Ltd.
Nathan Jones
Phone: 1-855-420-5775
Email: facilityapp@atcoelectric.com

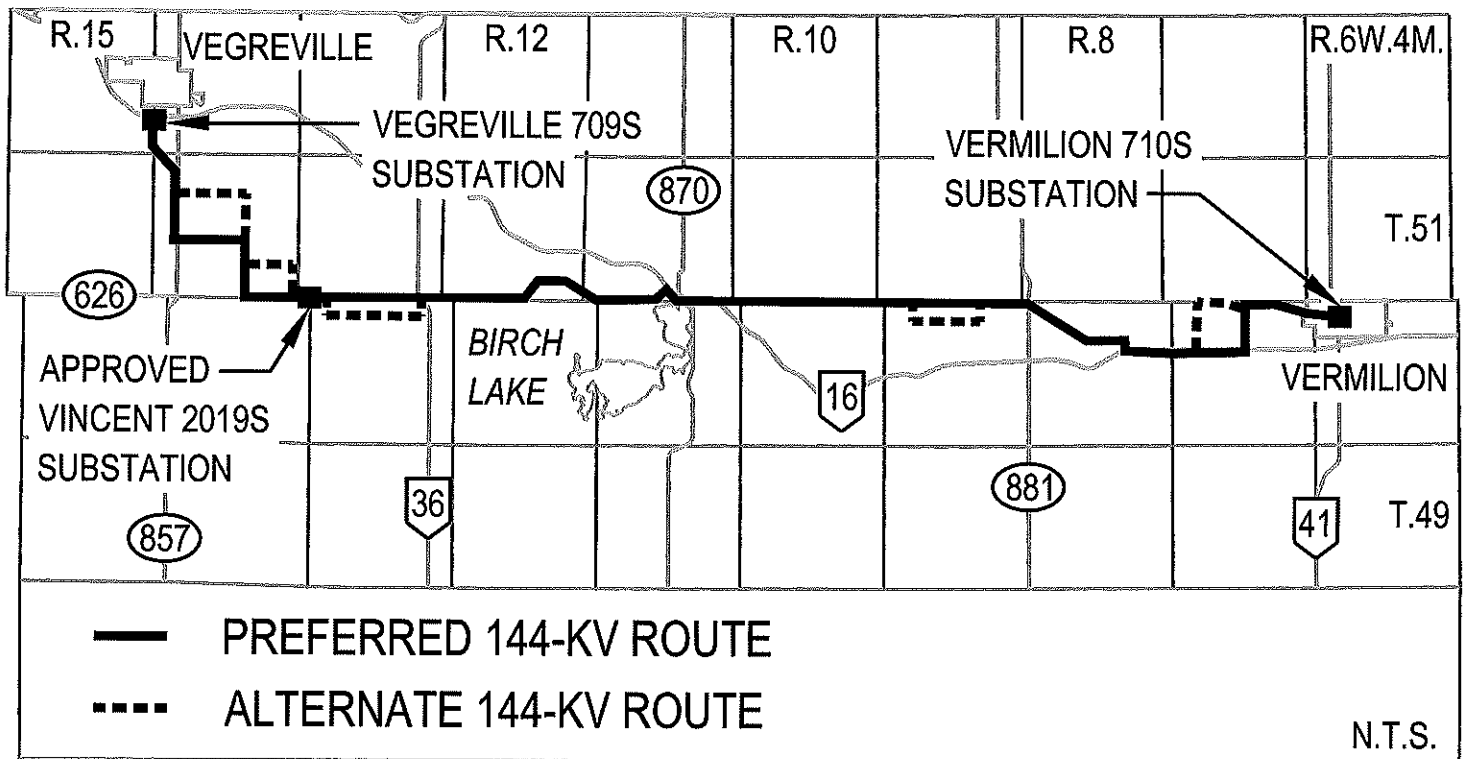
Submissions

If you wish to participate in this proceeding, please visit our website and log in to the eFiling System, go to Proceeding 24102, and register to participate under the "registered parties" tab. Alternatively, please contact us at 310-4AUC or info@auc.ab.ca for more information or assistance with filing your submission. The lead application officer, Kal Elkassem, can also be contacted at kal.elkassem@auc.ab.ca or 403-592-4388.

The AUC may make its decision without further notice or process if no written submissions are received.

Privacy

To support an open and transparent process, information you send to the AUC will be publicly available through the AUC's eFiling System. If there is confidential information you would like to file, a request must be made in advance of filing your submission.



Issued on January 31, 2019
Alberta Utilities Commission
Douglas A. Larder, QC, General Counsel

Application process

Step 1*
Public consultation by the applicant.

Step 2
Application filed with the AUC.

Step 3
The AUC issues a notice of application or notice of hearing.

Step 4*
Interested parties submit filings to the AUC with any outstanding issues or objections.

If the AUC does not receive any submissions, the application will be reviewed and a decision may be made without a hearing.

Step 5*
The AUC issues a notice of hearing, if it was not already issued in Step 3.

- Continued opportunity for consultation and negotiation with the applicant.

Step 6*
Public hearing.

Step 7
The AUC issues its decision. Below are the options the AUC may consider for:

Needs applications from the Alberta Electric System Operator:

- Approval of application.
- Return to the Alberta Electric System Operator with suggestions.
- Denial of application.

Facilities applications:

- Approval of application.
- Approval of application with conditions.
- Denial of application.

Step 8
Option to appeal decision or ask the AUC to review its decision.

Step 9
Approvals, construction and operation of facility, if approved.

Having your say

Early discussions with the applicant about proposed utility developments will often result in greater influence on what developments include natural gas pipelines, electric transmission lines and substations (including Alberta Electric System Operator facilities). Should you have concerns related to a proposed utility development, it is best to have early and ongoing discussions with the applicant.

If your objections cannot be resolved, or you have outstanding concerns upon the filing of an application with the AUC, you may wish to file an application with the AUC containing the following information:

- How you may be affected by the proposed project and the location of your land or residence in relation to it or any other property.
- The potential effect the proposed project may have on your property or interest in the property.
- A description of the extent to which you may be affected, and how you may be affected in a different way or to a greater extent.

Following this initial filing, you may be able to fully participate in the proceeding. This could include having legal representation. It is important to note that any application for routes and segments (preferred and alternate) could be chosen as the approved route and segment.

Step 3: Public notification

The Commission will issue a notice when it receives an application that, in the Commission's opinion, may directly and adversely affect the rights of one or more people. The notice is typically sent by mail to residents in the project area and may also be published in local newspapers. The notice will provide key dates, contacts and participation information for those interested in becoming involved in the process.

Step 4: Public filings to the AUC*

If you have unresolved objections or concerns about the proposed project filed with the AUC for approval and wish to participate in an AUC proceeding, you must make an initial written filing. Your filing must include your contact information, concern or interest in the application, an explanation of your position and what you feel the AUC should decide. Please be aware that any information or materials filed with the AUC, except information granted confidentiality, is available to the public.

Filing your concerns

The eFiling System is a web-based tool used to manage, search and upload documents reviewed by the Commission when considering applications filed with the AUC. Using the eFiling System is the most efficient way to provide your input to the AUC and monitor other filings and updates for the application of interest to you.

Step 2: Application to the AUC

When the participant involvement requirements have been completed, the proponent of the utility development files an application with the AUC. The application must indicate the issues which came up during the public consultation and any amendments considered or made to the project. Any unresolved objections or concerns which arose from the public consultation must be identified in the application.

*Denotes opportunity for public involvement

at is filed in the application for approval. Utility system Operator needs identification documents), and power sessions with the applicant.

If you have an opportunity to submit an initial filing with

alternative proposed in the application.

after degree than other members of the general public.

representation and participation in a public hearing. It is a route to the AUC decision.

Those who do not have access to the Internet can send filings, evidence and other material by mail or fax and the AUC will upload the submission on your behalf.

Participant cost reimbursement

A person determined by the Commission to be a local intervenor can apply for reimbursement of reasonable costs incurred while participating in an AUC proceeding. Details regarding recovery of participants' costs are described in AUC Rule 009: *Rules on Local Intervenor Costs*.

Step 5: Consultation and negotiation*

The Commission supports ongoing efforts to reach a positive outcome for the applicant and all affected parties. The Commission encourages the applicant and those who have made filings to continue to attempt to resolve any outstanding issues. If all concerns can be satisfactorily resolved this may eliminate the need for a formal hearing. However, if there continues to be unresolved issues, typically those matters will be addressed at an AUC public hearing.

The Alberta Utilities Commission is committed to ensuring that Albertans whose rights may be directly and adversely affected by utility development in Alberta have the opportunity to have their concerns heard, understood and considered. If you believe you may be directly and adversely affected you can become involved in the AUC application and review process.

Contact information

Phone: 780-427-4903

Email: consumer-relations@auc.ab.ca

Dial 310-0000 prior to the 10-digit number and then press 1 for toll-free access anywhere in Alberta.

Information session

It is our goal to ensure that you understand the process, and your opportunities for involvement in proceedings to consider utility development applications. For those interested in having an AUC staff member further explain the application and review process or answer questions you may have about your involvement in utility development proceedings, please contact us as we may schedule a information session with you. The virtual information session on our website, found under details which could assist you in understanding the process and having your say in a utility development proceeding.

This brochure provides general information only. Specific participation opportunities may differ depending on the type of application.



Alberta Utilities Commission

**Public involvement in a
proposed utility development**
*Understanding your rights
and options for participating
in a proceeding to consider
applications for a proposed
project in your area*

Village of Innisfree (CAO)

From: Harinder <harinder@infrasol.ca>
Sent: February 12, 2019 11:56 AM
To: inisfree@telus.net
Subject: Phase 2 (GTF) - Strategic Policy Deadline

Dear Jennifer,

ISI's intention is to help municipalities meet their **Phase 2 deadline of "Development of Asset Management Policies and Strategies" under the Gas Tax Fund (GTF) Agreement between Alberta and Canada**. Without our help, the Village of Innisfree can simply use the Municipal Affairs toolkit, or cookie-cut another municipality's policy, and be done with it. However, that approach is not in the spirit of the legislation.

Both the Fed's and the Province want your Council and community to embrace and apply AM policies as a major step towards financial self-sufficiency and to accept greater responsibility for your carbon footprint.

By our thinking, community-endorsed AM policies will give your Council the mandate to make difficult decisions and garner respect for their inclusive approach to leadership. Too often, Strategic Asset Management Plans get waylaid because Councils fears a political backlash for considering increasing taxes, implementing infrastructure surcharges or considering program cuts.

Here's how we help you to navigate towards better financial and environmental leadership:

1. We assist you in **modifying boilerplate policies** to better fit the unique character of your municipality;
2. We work with you to set and **administer a timeline** and tasks to attain community support and Council adoption;
3. We save you time by drafting up the necessary **Council resolutions** you will need for both the AM Policy and environment programs you wish to implement;
4. We provide you with a **communication strategy** designed to garner support with your stakeholders and community for an AM Policy/Strategy/Plan;
5. We offer you a comprehensive list of **environmental options** to reduce your community's carbon footprint;

The administrative tasks identified above are simply designed to save you time and effort. More importantly, we believe that the tough choices around asset management and a commitment to reduce carbon footprint require community support to be effective. An effective communication strategy will unite the community, place the onus on a Council and administrators to represent collective AM objectives and lead the environmental discussion.

We are already working with a large number of municipalities through FCM grants, so we can help you cost-effectively. We have space in our program for about 10 more municipalities. When the slots are filled, we are closing off the program to ensure that we have the staff to meet your requirements. If you are interested, feel free to email me or call my cell below.

Best,

Harinder Kaur

Team Leader, Policies and Procedures
Infrastructure Solutions (Software) Inc.
6925 Century Ave #100,
Mississauga, ON L5N 7K2
Cell: (437) 778-6774

Office: (289) 334-0849

Email: harinder@infrasol.ca

Customer Support: support@infrasol.ca

Website: www.infrasolglobal.com



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Village of Innisfree (CAO)

From: Vermilion Voice <vermilionvoice@gmail.com>
Sent: February 12, 2019 1:12 PM
Subject: Pink Day

Good afternoon

Pink Day is coming up on Feb 27 and the Voice will be having our special Pink Day issue in our Feb 26 paper. Together we can stand strong against bullying in all aspects of our lives whether it be school, work or play.

The rate is \$45 with \$5 dollars of that \$45 rate being donated back to the VIBE program.

Please let me know either way.

Thank you and have a great day
Lorna

Village of Innisfree (CAO)

From: municipalservicesandlegislation@gov.ab.ca
Sent: February 14, 2019 9:55 AM
To: Brooke Yaremchuk
Subject: Submission of Intermunicipal Collaboration Frameworks and Intermunicipal Development Plans
Attachments: Attachment 1_ICF and IDP Submission.pdf; Attachment 2 _MO.pdf

Subject – Submission of Intermunicipal Collaboration Frameworks and Intermunicipal Development Plans

This is an update on the submission of Intermunicipal Collaboration Frameworks (ICFs) and Intermunicipal Development Plans (IDPs). Please review and share with your staff and contractors as needed.

General Requirement

All municipalities will be required to adopt an ICF and IDP with each municipality they share a common border with by April 1, 2020, and to file the framework and plan with the Minister within 90 days of the ICF creation. Exemptions or extensions may apply (see below).

Submission Process

The ministry submission process for ICFs and IDPs is now live. You can submit your ICF and IDP online using the attached submission form.

After completing and electronically signing the submission form, the form can be submitted using the “Email Submit” button at the bottom of the form or by directly emailing it to icfsubmissions@gov.ab.ca. An electronic copy of the ICF and IDP should be attached to the email.

Submissions must be filed within 90 days of the ICF creation.

If you have any questions regarding the submission process, please email icfsubmissions@gov.ab.ca or call 780-427-2225.

Support in completing ICFs and IDPs

The Alberta Urban Municipalities Association (AUMA) and Rural Municipalities of Alberta (RMA) have created a workbook to help municipalities develop an ICF/IDP. More information can be found here:

<https://auma.ca/news/new-mga-tool-%E2%80%93-intermunicipal-collaboration-framework-workbook>

<https://rmalberta.com/news/new-intermunicipal-collaboration-framework-workbook-now-available/>

Members of Growth Management Boards (GMBs)

Unless the GMB addresses the five core areas of an ICF (water/wastewater, transportation, solid waste, emergency services and recreation), municipalities that are members of a GMB are required to complete an ICF for any core area not covered by the growth plan or other policies. Members may request an extension under the extension process below. GMB members do not need to complete an IDP, but may enter into one if they wish.

Exemptions and Extensions

Under Ministerial Order No. MSL:047/18 (see attached), municipalities may apply for an exemption from completing an IDP if one or both sides of the common boundary is *entirely* Crown Land. Municipalities may jointly apply for an exemption by passing council resolutions and filing them with municipal affairs at: icfsubmissions@gov.ab.ca.

Under the same Ministerial Order, municipal districts and/or specialized municipalities, member municipalities of GMBs, and non-member municipalities lying within the boundaries of a GMB member municipality may jointly apply for a one year extension of their ICF or IDP by passing council resolutions and filing them with municipal affairs at: icfsubmissions@gov.ab.ca.

Both municipalities must pass a resolution and each municipality must file for the exemption or extension submitting either a certified true copy of the council resolution or certified copy of the approved council minutes.

If you have there are any questions regarding the submission is process or ICFs or IDPs, please email icfsubmissions@gov.ab.ca or call 780-427-2225.

Thank you



ALBERTA
MUNICIPAL AFFAIRS

*Office of the Minister
MLA, Leduc-Beaumont*

MINISTERIAL ORDER NO. MSL:047/18

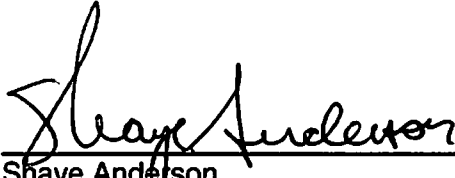
I, Shaye Anderson, Minister of Municipal Affairs, pursuant to Sections 605 and 631 of the *Municipal Government Act (MGA)*, make the following order:

- 1) Two or more councils of municipalities that have common boundaries where the entire area along one or both sides of the common boundary is composed entirely of federal or provincial crown land are exempt from the requirements of Section 631 of the *MGA* on the condition that all parties to the framework agree to apply the exemption by resolution and file copies of the resolutions with the Minister within 90 days of the date each resolution is passed.
- 2) That the time for an intermunicipal collaboration framework to be created pursuant to Section 708.28(1) of the *MGA* or an intermunicipal development plan to be adopted pursuant to Section 631(3) of the *MGA* is April 1, 2021, where the framework or plan is between municipalities that are municipal districts or specialized municipalities referred to in Section 77 of the *MGA* (excluding the Municipality of Jasper), improvement districts referred to in Section 581 of the *MGA*, or special areas as defined in Section 1 of the *Special Areas Act*, and on the condition that all parties to the framework agree to apply the extension by resolution and file copies of the resolutions with the Minister within 90 days of the date each resolution is passed.
- 3) That the time for an intermunicipal collaboration framework to be created pursuant to Section 708.28(1) of the *MGA* or an intermunicipal development plan to be adopted pursuant to Section 631(3) of the *MGA* is April 1, 2021, where the framework or plan is between municipalities that are members of the same growth management board established pursuant to Section 708.02 of the *MGA* before April 1, 2018, and on the condition that all parties to the framework agree to apply the extension by resolution and file copies of the resolutions with the Minister within 90 days of the date each resolution is passed.

.../2

- 4) That the time for an intermunicipal collaboration framework to be created pursuant to Section 708.28(1) of the *MGA* or an intermunicipal development plan to be adopted pursuant to Section 631(3) of the *MGA* is April 1, 2021, where the framework or plan is between a municipality that is a member of a growth management board established pursuant to Section 708.02 of the *MGA* before April 1, 2018 and a municipality that is not a member of the growth management board but is located entirely within the boundaries of the member municipality, and on the condition that all parties to the framework agree to apply the extension by resolution and file copies of the resolutions with the Minister within 90 days of the date each resolution is passed.
- 5) That the time for an arbitrator to create an intermunicipal collaboration framework or an intermunicipal development plan pursuant to Section 708.36(1)(a) of the *MGA* is April 1, 2022, where the time to create the framework or adopt the plan is modified by this Order.

Dated at Edmonton, Alberta, this 19th day of July, 2018.


Shaye Anderson
Minister of Municipal Affairs



**TRANS CANADA
HIGHWAY USERS:**

- › Commuters
- › Commercial Truckers
- › Leisure RV
- › Leisure Auto

NEEDED SERVICES:

- › Fuel
- › Restaurants
- › Accommodations
- › Attractions & Museums
- › Events & Festivals

Make Your Mark on the Open Road!

The historic Trans Canada Yellowhead Highway is a major economic driver for all those communities and businesses located on or near the highway.

How do we convert a traveller passing through into a traveller who stops and uses services and adds to the economic viability of your community? The *Go Yellowhead Travel Guide* plays an important role in informing and educating travellers of the many services, attractions, community events, and festivals offered year-round. It has a well-established distribution program covering all four provinces. The popularity of the *Go Yellowhead Travel Guide* is confirmed by the virtual 100% pickup we experience every year. Not everyone travelling along the highway has access to Wi-Fi and may be reluctant to use up their data plans. Our goyellowhead.com website satisfies all on-line research and inquiries.

THE GUIDE IS AVAILABLE AT

- local, provincial & chamber of commerce visitor information centres
- select hotels, campgrounds & RV sites
- attractions, historic sites & museums
- selected fuel centres along the highway

We also supply guides to visitor information centres along the American border, allowing them to fulfill the many request for information on what the traveller can expect when they reach the Trans Canada Yellowhead Highway.

EDITORIAL CONTENT INCLUDES

- Detailed content for each of the following provinces: British Columbia, Alberta, Saskatchewan, Manitoba
- Events listings
- National & Provincial parks
- Off-highway adventures & attractions—insider tips for both Commercial and Leisure Traffic



Interesting & Unique



Adventurous & Leisurely



Location Highlights



Distribution*

TOTAL NUMBER OF DISTRIBUTION OUTLETS: 274

Alberta 49%

- Crownsnest Pass Information Centre, Blairmore
- Bonnyville Chamber of Commerce, Bonnyville
- Calgary Airport- Information Centre, Calgary
- Canmore Information Centre, Canmore
- Devonian Botanic Garden, Devon
- Leduc# 1 Energy Discovery Centre, Devon
- Drumheller Tourism, Drumheller
- Muttart Conservatory, Edmonton
- Legislative Visitor Information Centre, Edmonton
- Fairmont Hotel Macdonald, Edmonton
- Courtyard by Marriott Downtown, Edmonton
- City Hall - Newcomer & Citizen Welcome Centre, Edmonton
- Best Western Plus City Centre, Edmonton
- The Westin Hotel, Edmonton
- Delta Centre Suite Hotel, Edmonton
- Sutton Place Hotel, Edmonton
- Chateau Lacombe Hotel, Edmonton
- Comfort Inn & Suites Downtown, Edmonton
- Days Inn & Suites Downtown, Edmonton
- Best Western City Centre, Edmonton
- Holiday Inn Express South, Edmonton
- Super 8 South, Edmonton
- Sawridge Inn & Conference Centre, Edmonton
- Econo Lodge South, Edmonton
- Delta Edmonton South, Edmonton
- Radisson South, Edmonton
- Holiday Inn South, Edmonton
- Best Western Cedar Park Inn, Edmonton
- Ramada Inn South, Edmonton
- Best Western South Edmonton, Edmonton
- Sandman Signature Hotel, Edmonton
- Hampton Inn & Suites South, Edmonton
- Chateau Nova Hotel & Suite, Edmonton
- Alberta Aviation Museum, Edmonton
- Chateau Louis Hotel & Conference Centre, Edmonton
- Kingsway Business Association, Edmonton
- Ramada Hotel & Conference Centre, Edmonton
- Northlands Park, Edmonton
- Travelodge East, Edmonton
- Eastglen Motor Inn, Edmonton
- Best Western North Edmonton, Edmonton
- AMA-Provincial Distribution, Edmonton
- TransCanada Yellowhead Hwy Association, Edmonton
- Strathcona Farmers' Market, Edmonton
- Four Points by Sheraton South, Edmonton
- Travelodge Edmonton South, Edmonton
- Radisson Hotel & Convention Centre, Edmonton
- Metterra Hotel, Edmonton
- TELUS World of Science—Edmonton, Edmonton
- Casino Yellowhead, Edmonton
- Yellowhead Inn, Edmonton
- DoubleTree by Hilton, Edmonton
- Hilton Garden Inn West Edmonton, Edmonton
- Quality Inn West Edmonton, Edmonton
- Best Western—Westwood Inn, Edmonton
- Travelodge Edmonton West, Edmonton
- Hampton Inn & Suites West, Edmonton
- Wingate Inn, Edmonton
- Holiday Inn Express Hotel & Suites West, Edmonton
- Days Inn and Suites West Edmonton, Edmonton
- Executive Royal Hotel, Edmonton
- Comfort Inn West, Edmonton
- Sandman Hotel, Edmonton
- Continental Inn, Edmonton
- West Edmonton Mall Inn, Edmonton
- Courtyard by Marriott West, Edmonton
- Holiday Inn & Suites West, Edmonton
- Fantasyland Hotel, Edmonton
- Marriott Edmonton at River Cree Resort, Edmonton
- Shaker's Acres RV Park, Edmonton
- Edson District of Chamber of Commerce, Edson
- Edson Garden Market IGA, Edson
- Edson Visitor Information Centre, Edson
- Mountain Pizza & Steak House, Edson
- Yellowhead County, Edson
- Dow Centennial Centre, Fort Saskatchewan
- Elk Island National Park, Fort Saskatchewan
- Town of Grande Cache, Grande Cache
- Grande Prairie Airport, Grande Prairie
- Grande Prairie Regional Tourism, Grande Prairie
- Grande Prairie Visitor Information Centre, Grande Prairie
- Hinton/Jasper KOA Campground, Hinton
- Town of Hinton Visitor Information Centre, Hinton
- Hinton Information Centre, Hinton
- Village of Innisfree Visitor Information Centre, Innisfree
- Astoria Hotel, Jasper
- Becker's Chalets, Jasper
- Clearwater Mgmt Ltd., Jasper
- Jasper Activity Centre, Jasper
- Jasper Information Centre, Jasper
- Jasper Inn, Jasper
- Jasper-Yellowhead Museum & Archives, Jasper
- Jasper Tourism & Commerce, Jasper
- Mount Robson Inn, Jasper
- National Car Rental, Jasper
- Tonquin Inn, Jasper
- Jasper National Park/Jasper Heritage Railway Station, Jasper
- Village of Kitscoty Visitor Information Centre, Kitscoty
- Lamont County, Lamont
- Edmonton International Airport-Info Booth, Leduc
- Days Inn & Conference Centre Airport, Leduc
- Leduc & District Visitor Information Centre, Leduc
- Best Western - Wayside Inn, Lloydminster
- City of Lloydminster Visitor Information Centre, Lloydminster
- Village of Mannville Visitor Information Centre, Mannville
- Comfort Inn & Suites Medicine Hat, Medicine Hat
- Milk River Information Centre, Milk River
- Oyen Visitor Information Centre, Oyen
- Rocky Mountain House Visitor Information Centre, Rocky Mtn House
- Best Western Plus Sherwood Park, Sherwood Park
- Holiday Inn Express Sherwood Park, Sherwood Park
- Ramada Inn & Water Park, Sherwood Park
- Roadking Super 8 Sherwood Park, Sherwood Park
- Sherwood Park Visitor Information Centre, Sherwood Park
- Strathcona County, Sherwood Park
- Glowing Embers RV Park, Spruce Grove
- Nova Inn, Spruce Grove
- Travelodge Spruce Grove, Spruce Grove
- Spruce Grove Visitor Information Centre, Spruce Grove
- Apex Casino, St Albert
- St Albert Visitor Information Centre, St Albert
- St. Albert Inn, St Albert
- St. Paul Information Booth, St. Paul
- Multicultural Heritage Centre, Stony Plain
- Stony Plain & District Visitor Information Centre, Stony Plain
- Travelodge Stony Plain, Stony Plain
- Valleyview Visitor Information Centre, Valleyview
- Ukrainian Cultural Heritage Village, Vegreville
- Vegreville & Dist. Chamber of Commerce, Vegreville
- Vermilion Economic Development, Vermilion
- Wabamun Visitor Information Centre, Wabamun
- Walsh Info Centre, Walsh
- Whitecourt Forest Interpretive Centre, Whitecourt

British Columbia 22%

- South Cariboo Visitor Information Centre, 100 Mile House
- Barkerville Historic Town, Barkerville
- Barriere Info Center, Barriere
- Burns Lake Visitor Information Centre, Burns Lake
- Chilliwack Visitor Information Centre, Chilliwack
- Clearwater Valley Resort & KOA, Clearwater
- Dutch Lake Resort & RV Park, Clearwater
- Lacarya Golf Course & RV Park, Clearwater
- Wells Gray Country, Clearwater
- Clearwater Information Center, Clearwater
- Field Visitor Information Centre, Field
- Fort St. James Information Centre, Fort St. James
- Fort St. John Visitor Information Centre, Fort St. John
- Fort St. John Information Centre, Fort St. John
- Village of Fraser Lake Visitor Information Centre, Fraser Lake
- Golden Visitor Info Centre, Golden
- Granisle Information Centre, Granisle
- Hazelton Visitor Information Centre, Hazelton
- Kispiox Cultural Information Centre, Hazelton
- Hope Information Centre, Hope
- District of Houston Visitor Information Centre, Houston
- Houston Chamber of Commerce, Houston
- Hudson's Hope Visitor Information Centre, Hudson's Hope
- Kamloops Visitor Information Centre, Kamloops
- Thompson Nicola Regional District Visitor Information Centre, Kamloops
- Kelowna Truck & RV Ltd, Kelowna
- Kitimat Chamber of Commerce, Kitimat
- Traveland Leisure Vehicles, Langley
- Travelhome, The RV Marketplace, Langley
- Masset Visitor Information Centre, Masset
- McBride Travellers Inn & Restaurant, McBride
- McBride Visitor Information Centre, McBride
- Nicola Valley Heritage Society/Ballie House, Merritt
- Travelodge Merritt, Merritt
- Merritt Visitor Info Centre, Merritt
- Mount Robson Visitor Information Centre, Mount Robson
- New Hazelton Visitor Centre, New Hazelton
- Osoyoos Visitor Information Centre, Osoyoos
- North Pacific Port Edward Historical Society, Port Edward
- District of Port Edward Visitor Information Centre, Port Edward
- City of Prince George Visitor Information Centre, Prince George
- Fraser-Fort George Regional District, Prince George
- Northern B.C. Tourism Association, Prince George
- Prince George Airport, Prince George
- Railway & Forestry Museum, Prince George
- Museum of Northern BC, Prince Rupert
- Prince Rupert Visitor Information Centre, Prince Rupert
- Queen Charlotte Info Centre, Queen Charlotte
- West Coast Mountain Campers, Richmond
- Haida Heritage Centre, Skidgate, Haida Gwaii
- Capri Motor Inn, Smithers
- Taylor Visitor Information, Taylor
- Regional District of Kitimat-Stikine Visitor Information Centre, Terrace
- Terrace & District Chamber Visitor Information Centre, Terrace
- Nor-Burd RV Sales & Service, Terrace
- Valemount & Area Chamber of Commerce, Valemount
- Valemount Hotel, Valemount
- Tete Jaune Lodge, Valemount
- British Columbia Automobile Association, Victoria
- Westbank Info Centre, Westbank
- Williams Lake Chamber of Commerce, Williams Lake
- Batoche National Historic Site, Batoche
- Eiling Kramer Campground, Battleford
- Fort Battleford National Historic Site, Battleford
- RM of Great Bend Visitor Information Centre, Borden
- Village of Borden Visitor Information Centre, Borden
- Town of Bredenbury, Bredenbury
- Churchbridge Visitor Information Centre, Churchbridge
- Town of Colonsay Visitor Information Centre, Colonsay
- Town of Dalmeny Visitor Information Centre, Dalmeny
- Estevan Tourism Booth, Estevan
- Foam Lake Visitor Information Centre, Foam Lake
- Humboldt Visitor Information Centre, Humboldt
- Duck Mountain Prov. Park, Kamsack
- Langenburg Chamber of Commerce, Langenburg
- Langham Visitor Information Centre, Langham
- River Valley RV Park, Langham
- Lanigan Visitor Information Centre, Lanigan
- Lashburn Visitor Information Centre, Lashburn
- Lloydminster Information Centre, Lloydminster
- Town of Maidstone Visitor Information Centre, Maidstone
- Maple Creek Info Centre, Maple Creek
- Travelodge Melfort, Melfort
- Tourism Moosejaw, Moosejaw
- Fleming Visitor Information Centre, Moosomin
- Allen Sapp Gallery, North Battleford
- Battlefords Inn, North Battleford
- Battlefords Tourism, North Battleford
- Battlefords Visitor Information Centre, North Battleford
- David Laird Campground, North Battleford
- The Battleford Provincial Park, North Battleford
- North Battleford Chamber of Commerce, North Battleford
- North Portal Border Crossing/Duty Free, North Portal
- Preeceville Information Centre, Preeceville
- Prince Albert National Park, Prince Albert
- Radisson Visitor Information Centre, Radisson
- 20th Century Antiques & Collectables, Radisson
- Canadian Automobile Association Saskatchewan, Regina
- Tourism Saskatchewan, Regina
- Saltcoats Visitor Information Centre, Saltcoats
- Corman Park #344 Visitor Information Centre, Saskatoon
- Gordon Howe Campground, Saskatoon
- Park Town Hotel, Saskatoon
- Pike Lake Provincial Park, Saskatoon
- Riviera Motor Inn, Saskatoon
- Saskatchewan Regional Parks, Saskatoon
- Saskatoon 16 West RV Park, Saskatoon
- Western Development Museum, Saskatoon
- Tourism Saskatoon, Saskatoon
- Town of Watrous Visitor Information Centre, Watrous
- Arrowhead Motor Inn, Wynyard
- Town of Wynyard Visitor Information Centre, Wynyard
- Good Spirit Lake Provincial Park, Yorkton
- RM of Orkney, Yorkton
- Tourism Yorkton, Yorkton

Saskatchewan 20%

- Batoche National Historic Site, Batoche
- Eiling Kramer Campground, Battleford
- Fort Battleford National Historic Site, Battleford
- RM of Great Bend Visitor Information Centre, Borden
- Village of Borden Visitor Information Centre, Borden
- Town of Bredenbury, Bredenbury
- Churchbridge Visitor Information Centre, Churchbridge
- Town of Colonsay Visitor Information Centre, Colonsay
- Town of Dalmeny Visitor Information Centre, Dalmeny
- Estevan Tourism Booth, Estevan
- Foam Lake Visitor Information Centre, Foam Lake
- Humboldt Visitor Information Centre, Humboldt
- Duck Mountain Prov. Park, Kamsack
- Langenburg Chamber of Commerce, Langenburg
- Langham Visitor Information Centre, Langham
- River Valley RV Park, Langham
- Lanigan Visitor Information Centre, Lanigan
- Lashburn Visitor Information Centre, Lashburn
- Lloydminster Information Centre, Lloydminster
- Town of Maidstone Visitor Information Centre, Maidstone
- Maple Creek Info Centre, Maple Creek
- Travelodge Melfort, Melfort
- Tourism Moosejaw, Moosejaw
- Fleming Visitor Information Centre, Moosomin
- Allen Sapp Gallery, North Battleford
- Battlefords Inn, North Battleford
- Battlefords Tourism, North Battleford
- Battlefords Visitor Information Centre, North Battleford
- David Laird Campground, North Battleford
- The Battleford Provincial Park, North Battleford
- North Battleford Chamber of Commerce, North Battleford
- North Portal Border Crossing/Duty Free, North Portal
- Preeceville Information Centre, Preeceville
- Prince Albert National Park, Prince Albert
- Radisson Visitor Information Centre, Radisson
- 20th Century Antiques & Collectables, Radisson
- Canadian Automobile Association Saskatchewan, Regina
- Tourism Saskatchewan, Regina
- Saltcoats Visitor Information Centre, Saltcoats
- Corman Park #344 Visitor Information Centre, Saskatoon
- Gordon Howe Campground, Saskatoon
- Park Town Hotel, Saskatoon
- Pike Lake Provincial Park, Saskatoon
- Riviera Motor Inn, Saskatoon
- Saskatchewan Regional Parks, Saskatoon
- Saskatoon 16 West RV Park, Saskatoon
- Western Development Museum, Saskatoon
- Tourism Saskatoon, Saskatoon
- Town of Watrous Visitor Information Centre, Watrous
- Arrowhead Motor Inn, Wynyard
- Town of Wynyard Visitor Information Centre, Wynyard
- Good Spirit Lake Provincial Park, Yorkton
- RM of Orkney, Yorkton
- Tourism Yorkton, Yorkton

Manitoba 8%

- Village of Binscarth, Binscarth
- Town of Birtle, Birtle
- Riverbank Discovery Centre, Brandon
- Gladstone Visitor Information Centre, Gladstone
- Minnedosa Visitor Information Centre, Minnedosa
- Minto Visitor Information Centre, Minnedosa
- Chicken Corral Restaurant, Neepawa
- Enns Brothers, Neepawa
- Town of Neepawa, Neepawa
- Port of Lyleton - Canadian Customs Office, Plierson
- City of Portage la Prairie, Portage la Prairie
- Fort La Reine Museum, Portage la Prairie
- Town of Rossburn, Rossburn
- Russell and District Chamber of Commerce, Russell
- Shoal Lake Visitor Information Centre, Shoal Lake
- RM. of Yellowhead, Strathclair
- Riding Mountain National Park, Wasagaming
- Travel Manitoba, Winnipeg
- Canadian Automobile Association Manitoba, Winnipeg
- National Historic Sites Manitoba, Winnipeg
- Tourism Winnipeg, Winnipeg
- Garden City Shopping Centre, Winnipeg

Other 1%

- Waterdown Info Centres, Waterdown
- Blaine Visitor Center, Blaine, WA
- West Glacier Visitor Information Centre, West Glacier, MT

FIRST IMPRESSIONS MATTER

THE **RIGHT MESSAGE** • IN THE **RIGHT PLACE** • AT THE **RIGHT TIME**
How will you make your first impression?

Print Rates

DISPLAY ADS	NON-MEMBER	MEMBER	SAVE
Back Cover	\$4,375	\$3,719	\$656
Inside Covers	\$4,195	\$3,566	\$629
Double Page Spread	\$6,500	\$5,525	\$975
Full Page	\$3,800	\$3,230	\$570
2/3 Page Vertical	\$3,050	\$2,593	\$457
1/2 Page Horizontal	\$2,660	\$2,261	\$399
1/3 Page	\$1,900	\$1,615	\$285
1/4 Page Vertical	\$1,525	\$1,297	\$228
1/6 Page Vertical	\$1,140	\$969	\$171
1/8 Page Square	\$760	\$646	\$114
1/12 Page Square	\$685	\$583	\$102

Deadlines

BOOKING	MATERIAL	STREET
Mar 1, 2019	Mar 8, 2019	April 2019

Contacts

Sales sales@goyellowhead.com

Publisher Rob Tanner, rob@goyellowhead.com

Editor Meghann Tanner, editor@goyellowhead.com

Production Cheryl Lindquist, traffic@goyellowhead.com

Customer Relations Marie Tanner, marie@tanneryoung.com

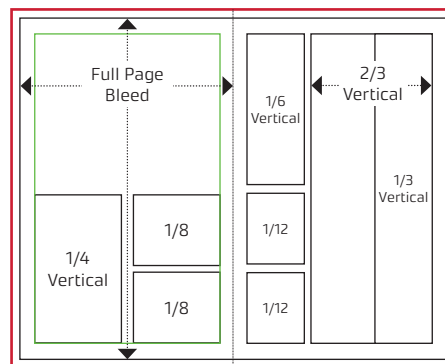
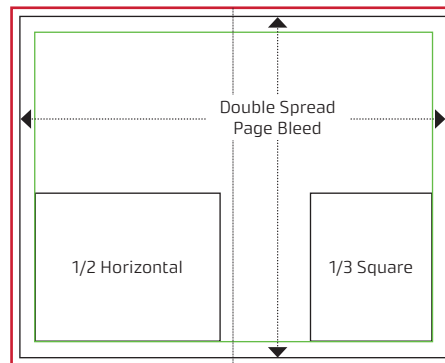
Tanner Young Publishing Group

#1, 9301 50 Street, Edmonton, AB T6B 2L5 Canada

780-465-3362 | tanneryoung.com

Print Ad Sizes

Display Ad	Dimensions (width x depth)
Full Page Bleed	5.125" x 8.125" Trim 5.375" x 8.375" Bleed 4.625" x 7.625" Live area
Double Page Spread Bleed	10.25" x 8.125" Trim 10.5" x 8.375" Bleed 9.75" x 7.625" Live area
2/3 Page Vertical	2.9375" x 7.125"
1/2 Page Horizontal	4.5" x 3.5"
1/3 Page Square	2.9375" x 3.5"
1/3 Page Vertical	1.375" x 7.125"
1/4 Page Vertical	2.125" x 3.5"
1/6 Page Vertical	1.375" x 3.5"
1/8 Page Square	2.125" x 1.6875"
1/12 Page Square	1.375" x 1.6875"



Ad Policies

- The publisher will not assume any responsibility for advertising reproductions that do not conform to the requirements listed below.
- Advertisers and/or advertising agencies assume full responsibility for all content of advertisements.
- All advertising is subject to acceptance by the publisher.
- The publisher reserves the right to add a keyline to fractional ads to differentiate them from editorial.
- Late receipt of ad materials or changes are subject to additional charges.
- The publisher owns all rights to advertisements and related media produced by the company. Advertiser purchases only space and one time use of artwork.

Ad Requirements

Press Ready Files

- Please build your ad to the exact size specified, with no excess white surrounding the image area.
- Ads intended to bleed should be built to the publication's Trim Size with images extending beyond that by an additional 1/4" on all sides. This can be done using the bleed settings in your software program. Keep all essential elements (text & logos) 1/2" inside the TRIM.
- Do not include crop marks.
- Press-ready files must be supplied in PDF/X-1a format to comply with industry standards.
- All files MUST be supplied in CMYK colour mode. Any non-process colours (i.e. RGB, Pantone) will be converted to CMYK. The publisher will not be responsible for any colour shifts that may result from this conversion.
- All fonts must be embedded.
- All images must be a minimum resolution of 300 dpi at 100% size.
- The combined ink density of CMYK colours should not exceed 300%.
- Do not apply trapping to PDF files.

Proofs

- SWOP certified hard-copy proofs such as EPSON or FUJI are required as a colour accurate guide for reproduction (PDF, tear sheets, colour laser or inkjet printer proofs are NOT acceptable for reference).
- Hard-copy proof must be generated from the same PDF file that is supplied for publishing.

Supplied Material For Ad Design Services

- Up to 1/4 page ads: image size minimum 6" x 4" at 300 dpi.
- Half-page and full-page ads: image size minimum 8" x 10" at 300 dpi.
- Text in digital format.

Web Ready Files

- Web optimized files (JPG, GIF, PNG), maximum file size 100 KB.
- Include 1 pixel border.

Delivery Information

- EMAIL** traffic@tanneryoung.com up to 10 MB
- HIGHTAIL** hightail.com/u/Tanner-Young-Publishing-Group
- COURIER** Tanner Young Publishing Group
#1, 9301 50 Street, Edmonton, AB T6B 2L5 Canada

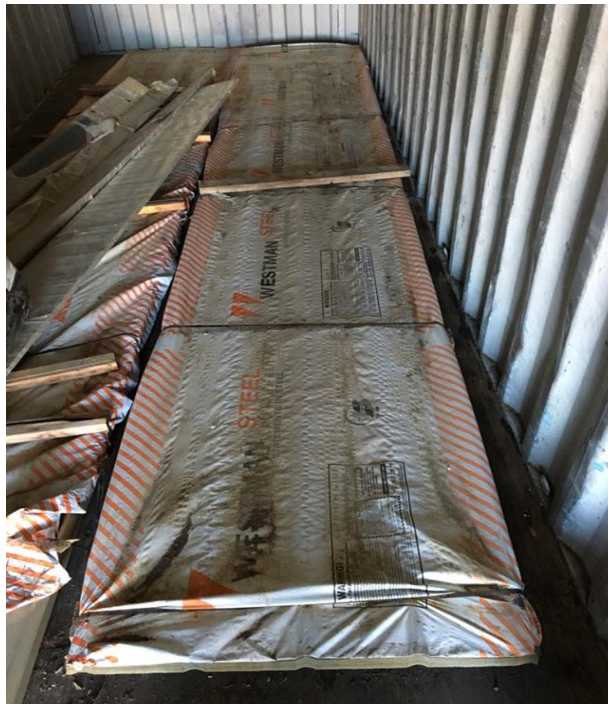
THE VILLAGE OF INNISFREE

NOTICE TO TENDER

January 18, 2019

Tenders will be received by the village of innisfree up to and including **12:00 (noon) local time** on the **18 th day of february, 2019** for the following:

1. 20 Foot Long Tin (Enough Tin to cover a 40ft by 20ft Roof)
2. Terrafoam Platinum Insulation (4 bundles)



Should you wish to view the items listed above, please contact the Village of Innisfree at 780-592-3886 or cao@innisfree.ca to set up an appointment.

The Village of Innisfree reserves the right to reject any and all tenders. The lowest or any tender will not necessarily be accepted.

Please submit all tenders to:

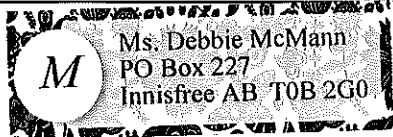
Brooke Yaremchuk
Chief Administration

Village of Innisfree
Box 69, 5116 – 50 Avenue
Innisfree, AB
T0B 2G0

Office Hours:
Mon – Fri
9:00 AM – 5:00 PM

We thank you in advance for any and all tender packages received.

VILLAGE OF INNISFREE COUNCIL COMMITTEE REPORT

Committee Name:	Innisfree School Council
Meeting Date & Time:	Jan. 28, 2019 7:00 p.m.
Attendees:	Wendy Nott, Tina Lindballe, Carmen Kassian, Tracy Rudolf, Naomi Melnyk, Amberlyn Mystkainuk, ms. Matovich, Miss A & Teacher Wendy
Discussion:	Starting Mental Health Training for Teachers Suicide Awareness Feb 13 Pinkshirt day - Feb 27 Teachess contribution March 7-8 Julies Ambrocke - New Teacher
Actions:	
Future Items:	to setup Tower Gardens and Spuds in Tubs
Submitted By:	 Ms. Debbie McMann PO Box 227 Innisfree AB T0B 2G0

VILLAGE OF INNISFREE
CHIEF ADMINISTRATIVE OFFICERS REPORT
JANUARY 15, 2019 – FEBRUARY 19, 2019

Administration

I have been working with Brian regarding the Audit. We haven't been able to start yet, as we haven't closed off 2018. I am waiting for any last minute 2018 invoices to process before I closed off 2018 on our system. Once those invoices are process and the year is closed, I will then work with Brian to have the Audit completed.

We have applied for Canada Summer Jobs funding as well as STEP Funding.

I have touched base with Amanda Davis regarding the MDP and she has provided us a new Gantt Chart. There have been some changes to the timeline, so please review.

I have signed myself up for a free Webinar for DI Property Requisition. This will take place on February 28, 2019.

I met with Rick Collins from Barr Engineering and we went over the Infrastructure Audit together. He will have a proposal done up for the March Council meeting. This is good first step on actioning the Minister Directives.

I have been working on the directives that were issued by the Minister of Municipal Affairs. The first task (which must be completed by March 31) is for council to discuss and create an action plan on how the Village plans to action the 9-recommendation mentioned in the Viability Review. **Please find enclosed a blank action plan. We must complete this so I can submit to Municipal Affairs.**

The water meter replacements should be here by mid-March and will most likely be installed by the end of March or early April. We have made this our top priority.

Public Works

Public Works has been doing a wonderful job. Timesheets and monthly reports have been submitted at month end. I am hoping to conduct a Employee Evaluation in early March.

Bylaw Enforcement

Bylaw Enforcement is on-going.

February 14, 2019 – I got a call from a resident regarding 2 dogs wondering around Town. The dogs had allegedly attacked their dog. I contacted Hugh to go over to the resident's property to see if he could find the dogs and take pictures. I got a call from Hugh that the dogs were located at the curling rink. I drove over to the curling rink to see if we could get them into the public truck. We noticed that both dogs were friendly, and both had collars. However, the information was scratched off the tags. We ended up leading the dogs to the public works shop to hold onto them until their owners claim them.

UPCOMING EVENTS:

-

ACTION LIST

- 1. Please see attached.**

ACTION LIST

MOTION #	TITLE	DEPARTMENT	ACTIONED	ON-GOING
2018-08-21/14	Solar Ninja's Quote Dated June 29, 2018	Admin		X
2018-10-23/09	Collapsed Sewer Line – Plan to Repair	Admin		X
2018-10-23/17	Fence Repairs – Birch Lake Recreation Facility	Admin		X
2018-11-20/05	Request To Purchase Electronic Water Meters – Update	Admin		X
2018-11-20/08	Grant Funding Opportunities – List Of Grants/Projects	Admin		X
2019-01-15/04	Community Van – Update	Admin	X	
2019-01-15/06	2019 Campground Attendants	Admin		X
2019-01-15/09	AMSC – 2018 Building Evaluations	Admin	X	
2018-01-15/10	Offer to Purchase – Lot 5, Block 7, Plan 4175R	Admin		X
2018-01-15/11	AMSC File No. 158431 – 1 Ton Truck	Admin	X	
2019-01-15/14	Ministers Seniors Service Awards – Letter January 3, 2019	Admin		X
2019-02-05/02	Approval To Purchase Truck – Public Works	Admin	X	

#	Minister Directive:	Minister Due Date:	Proposed Completion Date
1	Complete a comprehensive strategic planning session where Council will discuss the nine recommendations found within the Viability Plan;	March 31, 2019	February 19, 2019
	Develop an action plan (including timelines) as to how the Village Council plans to address each of the recommendations found within the Viability Plan; and		February 19, 2019
	Provide a copy of the plan, including timelines, to Municipal Affairs.		
2	Prepare a written capital plan describing the Village's anticipated capital projects and additions, anticipated timing, anticipated costs, and allocated or anticipated funding sources over the period 2019 to 2020. The plan must address the essential infrastructure repairs and replacements summarized in the "infrastructure" section and identified in Appendix C of the Viability Plan, or provide a rationale as to why any project is not included in the plan; and	April 30, 2019	
	Provide a copy of the capital plan to Municipal Affairs		

3	Report to MA, on June 1 of each year for the subsequent four years, the progress to implement the action plan in directive 1 above, including work completed and completion dates, and work remaining and anticipated completion dates, on June 1 of each year for the subsequent four years, and	June 1, 2019 – June 1, 2023	<u>Completed:</u> June 1, 2019 _____ June 1, 2020 _____ June 1, 2021 _____ June 1, 2022 _____ June 1, 2023 _____
	Report to MA, on June 1 of each year for the subsequent four years, the progress to implement the capital plan in Directive 2 above, including: <ul style="list-style-type: none"> i. For completed projects and additions, a description of work completed, completion dates, costs, and funding sources; and ii. For projects and additions not completed, a description of work to be completed, anticipated completion dates, anticipated costs, and allocated or anticipated funding sources. 		

Recommendation No.	Viability Recommendation	Proposed Actions	Timeline
1	Undertake a Strategic Planning Process, with residential participation, to develop a three-year strategic plan that incorporates a service levels assessment, an operational needs assessment, and an infrastructure/capital plan.		
2	Village should assess the administrative requirements to determine staffing needs to address the operational requirements as established by Council and the MGA.		

3	Council should budget for staffing increases based on the results of the needs assessment.		
4	The Village should develop a 10-year capital plan to address items in the Infrastructure study.		

5	The Village should engage residents in the development of the operational and capital budgets.		
6	The Village should annually discuss its capital projects with neighbouring municipalities to identify potential collaborative Request for Proposals (RFP) that provide cost-efficiencies.		

7	The Village should look at long-term debt, special levies, and other funding opportunities for capital projects.		
8	Utility Rates should continue to be reviewed annually to ensure full cost recover is maintained.		

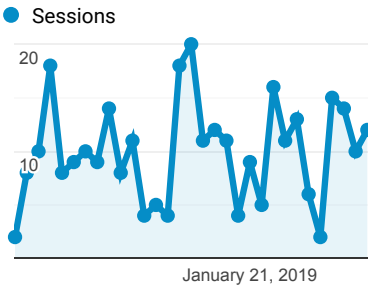
9	The Village should develop a campground surplus reserve policy to offset years when campground operating deficits result.		
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Village of Innisfree Monthly Stats

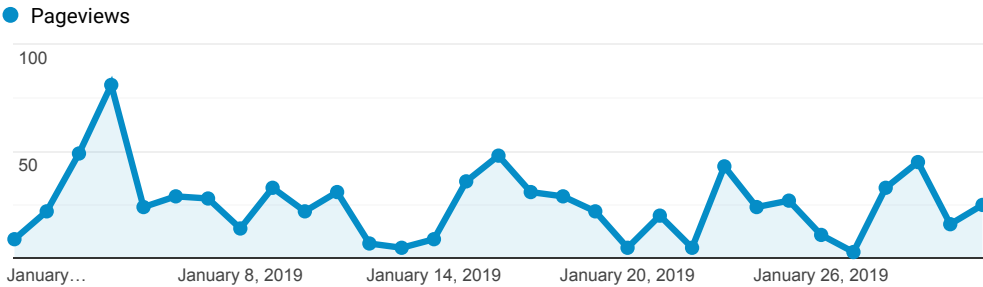
Jan 1, 2019 - Jan 31, 2019

All Users
100.00% Sessions

Visits



Pageviews



Visits and Pages/Visit by Source/M...

Source / Medium	Sessions	Pages / Session
(direct) / (none)	125	1.89
google / organic	104	3.68
townlife.com / referral	17	1.88
en.m.wikipedia.org / referral	10	3.20
facebook.com / referral	7	1.29
m.facebook.com / referral	6	1.17
172.27.72.27 / referral	4	3.00
bing / organic	4	1.00
ca.search.yahoo.com / referral	4	1.00
minburncounty.ab.ca / referral	4	2.75

Top Business Directory Listings

Page	Pageviews	Unique Pageviews
/places-/HughesNet-Innisfree_-12455	2	1
/places/Canada-Post-Innisfree_-12459	1	1
/places/Greg-s-Truck-Stop-Cafe_12462	1	1
/places/Innisfree-Hotel_12463	1	1
/places/Innisfree-Recreation-Centre_12449	1	1
/places/Minco-Gas_12466	1	1
/places/Nutrien-Ag-Solutions_12465	1	1
/places/Roadrunner-Water-Hauling-Ltd_12464	1	1
/places/Video-Cafe-Innisfree_-12467	1	1

Pageviews and Unique Pageviews by Page

Page	Pageviews	Unique Pageviews
/	293	238
/115/businesses	44	25
/page/contact/422	42	32
/search/Canada/Alberta/Innisfree/422?site_id=422&commit=SEARCH	28	19
/calendars/table/422	18	13
/Employment	17	13
/galleries/show?site=422	17	12
/I-want-to	14	10
/Services	13	12
/Village-Council	12	10

Map Overlay

Country	Sessions	Pages / Session
Canada	220	3.00
United States	52	1.25
South Korea	8	1.50
China	6	1.00
Australia	3	3.67
India	3	2.33
Hong Kong	2	1.00
Malaysia	2	2.00

Visits and Pages/Visit by Browser

Browser	Sessions	Pages / Session
Chrome	129	2.77

Pakistan	2	1.00
Singapore	2	2.00

Visits and Pages/Visit by Mobile

Mobile (Including Tablet)	Sessions	Pages / Session
No	191	2.36
Yes	118	2.84

Visits and Pageviews by Social Net...

Social Network	Sessions	Pageviews
Facebook	17	24

Visits and Pages/Visit by Visitor Type

User Type	Sessions	Pages / Session
New Visitor	252	2.55
Returning Visitor	57	2.53

Visits by Keyword

Keyword	Sessions
(not provided)	109
(not set)	2
innisfree.ca	2
innisfree	1
mayor id innisfree	1

Safari	81	2.40
Internet Explorer	40	2.98
Edge	17	2.18
Firefox	15	2.27
'Mozilla	9	1.00
Android Webview	6	1.67
Samsung Internet	6	2.33
Safari (in-app)	5	1.20
e.ventures Investment Crawler	1	6.00

Visits and Pages/Visit by Mobile Device Info

Mobile Device Info	Sessions	Pages / Session
Apple iPhone	66	2.33
Apple iPad	14	2.79
Samsung SM-G920W8 Galaxy S6	5	12.40
LG H812 G4	4	1.50
Samsung SM-G950W Galaxy S8	4	2.00
Samsung SM-A520W Galaxy A5 (2017)	3	4.33
Samsung SM-A530W-parrot Galaxy A8 2018	3	2.00
Samsung SM-G965W Galaxy S9+	3	2.00
Microsoft Windows RT Tablet	2	4.50
Samsung SM-J320W8 Galaxy J3 Duos	2	2.50



ALBERTA

ECONOMIC DEVELOPMENT AND TRADE

February 5, 2019

*Office of the Minister
Deputy Government House Leader
MLA, Edmonton-Beverly-Clareview*

Ms. Brooke Yaremchuk
Chief Administrative Officer
Village of Innisfree
5116 - 50 Avenue
Innisfree, AB T0B 2G0

RECEIVED
FEB 12 2019

Dear Ms. Yaremchuk,

I am pleased to advise you that your application to the Fall 2018 intake of the Community and Regional Economic Support (CARES) program has been approved for funding. Applications were reviewed through a competitive evaluation process to ensure eligibility, as per the program guidelines.

Your application may receive full or partial funding. CARES program staff will be in touch with you to confirm the amount of funding and execute a grant agreement. If you have any questions or require further information, please contact Ksenia Kavoun, program manager at 825-468-4032 (dial 310-0000 for a toll-free connection) or by email at Ksenia.kavoun@gov.ab.ca.

Congratulations on your successful application. I wish you continued success in working with community and regional leaders to accelerate and implement your initiative to help Alberta become more economically competitive and prosperous.

Sincerely,

Deron Bilous
Minister of Economic Development and Trade

cc: Mr. Richard Starke
MLA for Vermilion-Lloydminster



Municipal Affairs

Grants and Education
Property Tax Branch
15th Floor, Commerce Place
10155 - 102 Street
Edmonton, Alberta T5J 4L4
Telephone 780-422-7125

RECEIVED
JAN 16 2019

AR96254D

January 11, 2019

Ms. Brooke Yaremchuk
Chief Administrative Officer
Village of Innisfree
PO Box 69
Innisfree Alberta T0B 2G0

Dear Ms. Yaremchuk :

Thank you for submitting the Municipal Sustainability Initiative (MSI) – 2016 Conditional Operating Funding Statement of Funding and Expenditures (SFE).

This letter confirms that the municipality's certified SFE report has been submitted as required. We have reviewed your report and are satisfied that it meets the reporting requirements of the MSI Memorandum of Agreement. All reported expenditures have been accepted by the Minister.

Based on the reported amounts, your municipality does not have a funding carry-forward at the end of 2016.

In addition, the funding agreements state that you agree to allow the Minister and/or his agents, including but not limited to, the Auditor General of Alberta, and representatives of the Province of Alberta, access to the project site, any engineering drawings or documents; any books of accounts relating to funding, earnings, and expenditures claimed under this agreement; and any other such expenditure related documents as deemed necessary by the Minister in performing an audit of the projects undertaken under this agreement. All expenditure related documents shall be kept for a minimum of three years.

If you have any questions, please contact a grant advisor by dialing 310-0000 toll-free, then 780-422-7125.

Sincerely,

Susan McFarlane
Director, Grant Program Delivery

cc: Brad Pickering, Deputy Minister



ALBERTA
MUNICIPAL AFFAIRS

*Office of the Minister
MLA, Leduc-Beaumont*

RECEIVED

JAN 18 2019

AR96051

January 15, 2019

His Worship Aaron Cannan
Mayor, Village of Innisfree
PO Box 69
Innisfree AB T0B 2G0

Dear Mayor Cannan,

I am pleased to invite the Village of Innisfree to provide submissions for the 18th annual Minister's Awards for Municipal Excellence, which formally recognizes excellence in local government practices and promotes knowledge sharing among municipalities. These awards offer an opportunity to recognize the truly great work happening in local governments in Alberta.

An independent review committee, comprised of representatives from various municipal associations, will recommend award recipients in five categories and, if chosen by the review committee, one award for outstanding achievement:

- Innovation – Recognizes a leading practice embodying the first use of an idea in a municipal context in Alberta (municipalities with a population of less than 500,000);
- Partnership - Recognizes a leading municipal practice involving consultation, co-ordination and co-operation with other municipalities, jurisdictions or organizations (municipalities with a population of less than 500,000);
- Safe Communities – Recognizes a leading practice focused on making municipalities safer through prevention and enforcement (municipalities with a population of less than 500,000);
- Smaller Municipalities – Recognizes an innovative practice developed by communities with less than 3,000 residents;
- Larger Municipalities – Recognizes an innovative and creative practice of larger municipalities with populations of 500,000 or greater that have a substantial resource base and who can partner with departments within the municipality's control; and
- Outstanding Achievement – Recognizes a municipality or municipal partnership that has helped to inspire action and change that has benefited local government practice in Alberta. This award, if chosen by the review committee, recognizes the best submission from the other categories.

.../2

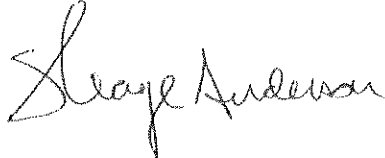
- 2 -

Further details regarding eligibility and submission requirements may be found on the Municipal Excellence Awards webpage at www.municipalaffairs.gov.ab.ca/1595. The deadline for submission is March 29, 2019.

Should you have any questions regarding the Municipal Excellence Awards, please contact the Municipal Excellence Team, at 780-427-2225, or by email at menet@gov.ab.ca.

I encourage you to share your success stories, and look forward to celebrating these successes with your communities.

Sincerely,

A handwritten signature in cursive script, reading "Shaye Anderson".

Shaye Anderson
Minister of Municipal Affairs



To: All Municipal Administrators and Municipal Associations

Subject: 2019 Minister's Awards for Municipal Excellence

The Honourable Shaye Anderson, Minister of Municipal Affairs, is pleased to announce the 2019 Minister's Awards of Municipal Excellence. The 18th annual awards recognize municipal government excellence and promotes knowledge sharing among municipalities.

An independent review committee comprised of representatives from various municipal associations will recommend award recipients in five categories and, if chosen by the committee, one award for outstanding achievement:

- Innovation – Recognizes a leading practice embodying the first use of an idea in a municipal context in Alberta (municipalities with a population of less than 500,000);
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- Outstanding Achievement – Recognizes a municipality or municipal partnership that has helped to inspire action and change that has benefited local government practice in Alberta. This award, if chosen by the review committee, recognizes the best submission from the other categories.

All municipalities are eligible. The review committee considers the practice in relation to the size and available resources of the municipality. The submission form and additional details can be found on the Municipal Excellence Awards webpage at: www.municipalaffairs.gov.ab.ca/1595. The deadline for submissions is **March 29, 2019**.

If you have any questions regarding the Minister's Awards for Municipal Excellence please direct them to the Municipal Excellence Team: at 780-427-2225, or by email at menet@gov.ab.ca.

Sincerely,

The Municipal Excellence Team



Land Surveying Services



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do not trust in words, trust in action.

 www.exploreinc.ca  1-866-936-1805  info@exploreinc.ca

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- » Subdivisions
- » Topographic Surveying
- » Disposition Surveying
- » Line Locating & One -Call Management

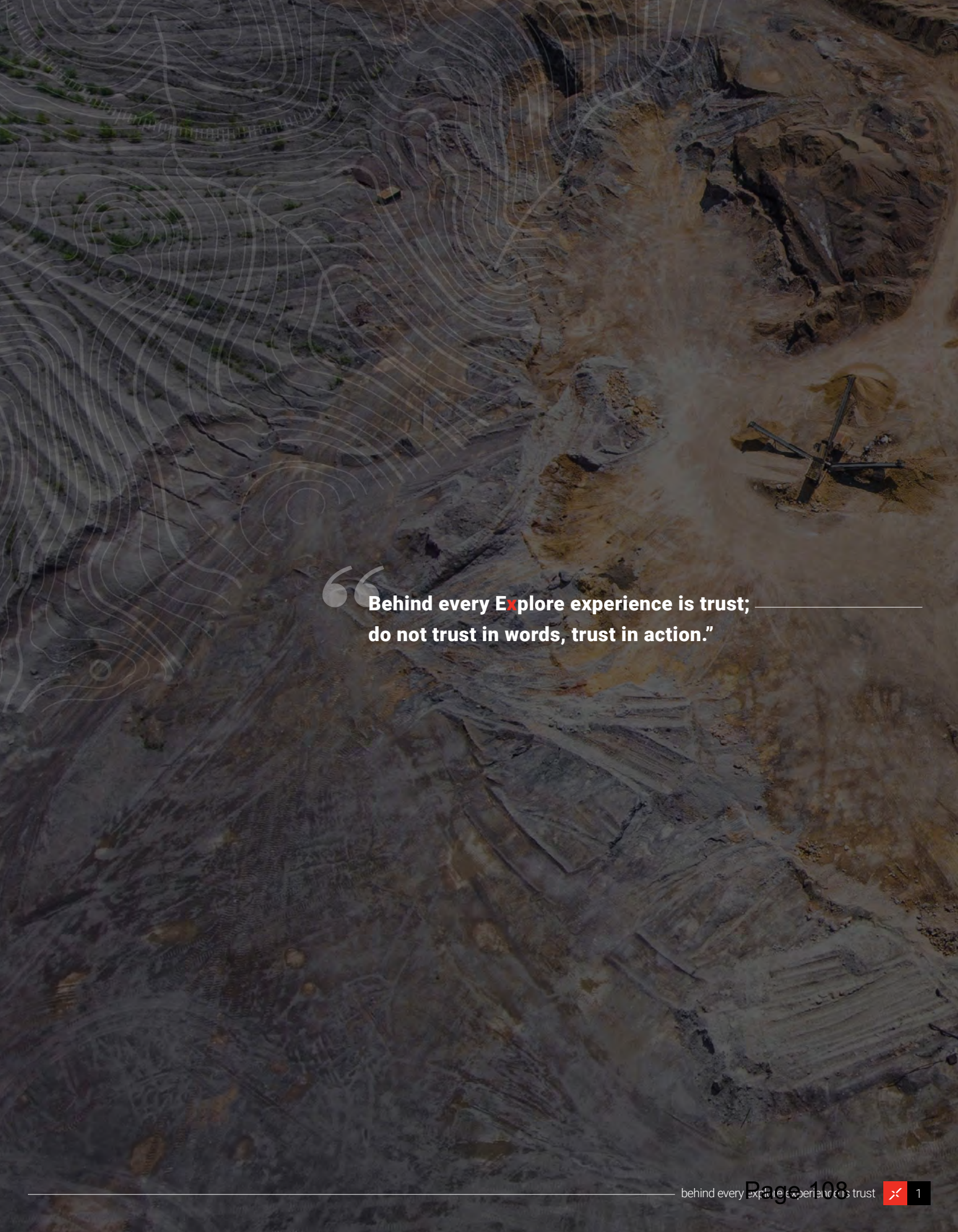
Land Surveying Services
2019



» Real Property Reports
» Boundary Demarcation
» Subdivisions

» Topographic Surveying
» Disposition Surveying
» Line Locating & One -Call Management

Land Surveying Services 2019

An aerial photograph of a rugged, rocky landscape. A river flows through the center, surrounded by steep, rocky banks. In the upper left, there are some small, green, rectangular structures, possibly solar panels or small buildings. The terrain is characterized by dark, layered rock formations and some sparse vegetation. The overall tone is dark and moody.

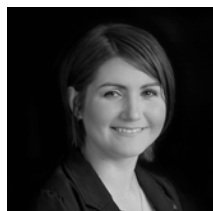
“Behind every **Explore** experience is trust;
do not trust in words, trust in action.”

Explore Leadership



Corey **Simard**
PRESIDENT

A Level 1 Gas Process Operator graduate, Corey has been involved in Asset Integrity Management for over 15 years. He is responsible for developing and managing programs for upstream Oil & Gas producers throughout Western Canada. Tasked with the opportunity to strengthen our business with asset management, Corey has fostered relationships with government regulatory agencies, multiple industry leaders, and stakeholders that have been beneficial to Explore's business growth. He has worked to ensure a progressive movement in programs, regulatory adherence, and safety both in the company and in the industry. Corey takes great pride in leading a team of individuals towards providing the oil and gas industry with an outstanding solution base for managing their assets for Risk Management, Compliance, and Engineering. Having worked for such companies as Penn West and Crescent Point, Corey has used the experience he gained to handcraft our integrity division



Katie **Hunter, A.L.S.**
MANAGER OF
LAND SURVEYS

Katie is an Alberta Land Surveyor, or "ALS". She received her Geomatics Engineering Diploma, with honours, from NAIT in 2007. Afterwards, she continued her education and obtained her Certificate of Completion from the CBEPS (Canadian Board of Examiners for Professional Surveyors) in 2009. Katie received her commission from the Alberta Land Surveyors Commission in 2014 and has since laid her focus on Rural Alberta.



Darren **Cobick**
VICE-PRESIDENT

Darren graduated with honours from the Civil Engineering Technology Program in 2001 from NAIT. He started in the land surveying industry immediately after and has remained in the industry since then. Darren is working towards his Certificate of Completion for CBEPS (Canadian Board of Examiners for Professional Surveyors). He has been a crew chief since 2001 working with Midwest Surveys. After spending nearly a decade with them, he decided to join and invest in Explore. You can usually find him in the field, and he has been instrumental in building and refining the Field Operations team. Darren currently works out of our Grimshaw Alberta field office. His industry connections in the North have helped cement Explore as the prime land surveying provider for the oil and gas companies in the Peace Region. His attention to detail and astute knowledge of the land surveying trade set a standard to the customer service level we strive to maintain at Explore.



Bob **Prieston, P.ENG**
MANAGER OF
ASSET INTEGRITY

Bob Prieston is a registered Professional Engineer in both Alberta and Saskatchewan and is also a NACE certified Senior Internal Corrosion Technologist. Bob worked for 11 years for an upstream oil and gas producer in west central Saskatchewan in a field based position. In this role as a Pipeline Integrity Coordinator, Bob worked with Operations in initially developing a pipeline integrity program and then managing it day to day to support Operations. In his later years with the Upstream producer, he moved into a senior role to provide guidance to all of the company's field-based pipeline integrity coordinators in the four Western Canadian provinces, working with requirements of integrity management programs under four provincial regulatory bodies, as well as a small number of pipelines regulated by the National Energy Board (NEB). In that position, Bob also managed the companies overall Pipeline Integrity Management Program (IMP) in working to ensure its compliance with both CSA Z662 and the applicable regulatory bodies where the company operated pipelines.

established 2008	10 years & 50+ services offered
depth of cover 20K+ inspections done	more than 3500 happy customers
1200+ plans registered at Alberta Land Titles	65+ employee count and growing



Professional Land Surveying

Explore strives to exceed our primary objective of trust through providing industry best quality customer service, reliable partnerships and clear communication.

Incorporated in Edmonton on April 30th, 2008, Explore was founded as a professional land surveying firm specializing within the oil and gas sector.

Our scope of practice grew in 2009, when at the request of our clients, we began to offer depth of cover inspection services on pipeline water crossings. Since this time, we have expanded our services becoming a multidisciplinary firm within both the surveying and asset integrity industries.

Our land surveying division has been steadily increasing thanks to a few key long-standing acquisitions where we have enjoyed building on the relationships that these firms have started. With **offices in Drayton Valley & St. Paul**, Explore is making great strides in establishing ourselves as a top service provider of Real Property Reports, road and subdivision surveys, and descriptive plans in rural Alberta.

Despite changes in market stability, Explore has seen tremendous growth within our pipeline integrity services. Originally, based out of Edmonton, Explore now has highly trained integrity specialists in Calgary, Drayton Valley, Kerrobert and Grimshaw. Our services have also benefited from this growth, as we now offer pipeline integrity engineering, risk assessment management, regulatory compliance support, and asset integrity services, in addition to our established depth of cover and right of way inspection programs.

In our 10th year, Explore has expanded into Saskatchewan, adding professionals in both the integrity and survey fields in our Kerrobert office. As we grow throughout Western Canada, we are excited for the opportunity to collaborate with new and existing clients, which will improve our existing procedures and introduce new technology to address the ever-changing market and the needs of our clientele. We pride ourselves on our ability to react to the need of the economy to serve our clientele.



“**Explore offers pipeline integrity engineering, risk assessment management, regulatory compliance support, and asset integrity services ...**”

Real Property Reports

A Real Property Report (RPR) is a legal document that clearly illustrates the location of visible improvements relative to property boundaries. *Know your biggest investment.*

Boundary Demarcation

An accurate delineation of the boundaries and corners described within a title or instrument registered at Land Titles or Alberta Environment and Parks (AEP)

Subdivisions

Tentative plans showing proposed boundaries of a new land parcel are prepared for circulation to potentially affected parties as an opportunity to address concerns.

Legal plans are endorsed by various authorities and the land owners for registration at Land Titles, completing the process

Line & Utility Locating

When it comes time to disturb the ground, it is important to not damage underground utility lines.

Topographic & As-built Surveys

A representation of existing features for planning purposes, which includes volumetric surveys.

Disposition Surveys

An application for new or renewing private lease interest on crown land. All disturbance activity on crown land must be registered with Alberta Parks and Environment to **effectively** manage our greatest resource, **land**.



Real Property Reports

A Real Property Report (RPR) is a legal document that clearly illustrates the location of significant visible improvements relative to property boundaries.

The illustration of the physical improvements within the property, including whether encroachments exist and can be used by the municipality to provide compliance to their Land Use Bylaw. It can rely upon by the buyer, the seller, the lender and the municipality as an accurate representation of improvements on your property.

Who Needs a Real Property Report?

Property owners, property purchasers, realtors, property sellers, municipalities, and mortgage lenders.

What are the Benefits of a Real Property Report?

- » Problems are identified and can be resolved before a sale is finalized.
- » Owners know accurate locations and dimensions of buildings, improvements, right-of-ways, and encroachments relative to property boundaries.
- » Purchasers know the physical dimensions of the property.
- » Financing usually requires survey information.
- » Property transactions are simplified.
- » Development and building permits require boundary information.
- » Dispute resolution, title insurance claims typically require the issue in question to be clearly depicted.

Your Real Property Report from Explore Inc. will contain:

Legal description of property and municipal address (A), dimensions and directions of all property boundaries (B), designation of adjacent properties, roads, lanes, etc (C), location and description of all relevant improvements situated on the property together with dimensions and distances from the property boundaries (D), other significant improvements (E), right-of-way or easements as noted on the title to the property at the date of the survey (F), location and dimension of any visible encroachments onto, or off of, the property (G), a duly signed certification and opinion by an Alberta Land Surveyor (H), copyright (I), and a permit Stamp (J).





Subdivisions

If you are planning to divide a piece of land into smaller parcels, you will be required to submit an Application of Subdivision to your local municipality authority.

What we do.

We act as your agent, we prepare tentative plans showing proposed boundaries of a new parcel of land, and we prepare for circulation to potentially affected parties, thus providing an opportunity to address any of their concerns before the municipalities conditions of approval. Once the subdivision authority has conditionally approved a subdivision, a legal plan must be registered at Land Titles. Depending on the situation a descriptive plan or a plan of survey will be prepared, circulated, endorsed and registered at Land Titles.



Boundary Demarcation

An accurate delineation of the boundaries and corners described within a title or instrument registered at Alberta Land Titles or Alberta Parks & Environment.

Knowing where a boundary starts and ends is important, whether for fence line installation, clearing of trees, or general knowledge, avoiding encroachment onto others parcels is paramount.

What are Explore's capabilities?

Explore has multiple field crews that operate throughout Alberta and Saskatchewan to provide you with timely survey services - even in remote areas. All of our crews are fully equipped with the technology and access equipment to complete your boundary demarcation in any environment.

Among others, boundary demarcation services apply to the residential, commercial, industrial and energy sectors.

- » Lot Development
- » Construction/Expansion
- » Future Planning Fence Construction
- » Deck Construction
- » Boundary Disputes
- » Landscaping
- » Plant Expansions
- » Mining /Exploration
- » Well / Pad Development
- » Road / Access Planning

Our expert project managers can help research and determine the location of our existing boundaries. We offer complete solutions with an emphasis on safety and customer service.



Why work with us?

- » The subdivision process can be quite complex. A professional Alberta Land Surveyor or Engineer understands planning regulations and can design a subdivision that meets the legislated requirements of the province and municipality.
- » It is often less expensive to retain professional help at the application stage rather than later when difficulties arise.
- » Properly prepared applications usually proceed more quickly and registration at the Land Titles Office is achieved sooner.
- » Solutions can be presented to the municipality before any reason for rejection. For example, non-compliance to Land Use Bylaw, setbacks, or agreements.
- » Land Surveyors Act states "Everything done in the practice of land surveying shall be done by or under the supervision, direction and control of a practitioner (Land Surveyor)".



Topographic Surveying

Topographic “As-Built” Services

As-built Topographic Surveys delineates existing features for planning, engineering or information purposes. Examples: Location of infrastructure above and below ground for engineering planning. ESD locations and air monitoring stations. Gravel Pit or stock piles and calculated volumes, areas of contamination, erosion/accretion along water bodies, tree areas for timber, areas for pasture/crop.



Explore specializes in Topographic Services

Explore's team of professional surveyors can customize the As-Built survey to suit our clients' needs. An As-Built survey can be **customized** and depict only the level of detail the client requires for a specific phase of the project. Alternatively, the client may request a higher level of detail with elevations and contours, cross sections, detailed sketches, weld locations, pipe sizes and depths.

Explore provides clients with accurate As-Built surveys that show exactly what exists on site at a particular point in time. This can be a valuable project management tool to adjust construction and maintenance schedules as required and can also be used to plan subcontractor work schedules, planning and payments.

“**Explore provides clients with accurate As-Built surveys that show exactly what exists on site at a particular point in time.**”

“**Explore prides itself on the ability to work closely with our client to determine the plan that best suits their needs, coordinate based (hybrid cadastre) or a monumented plan ”**

Disposition Surveying

What is a Disposition Survey?

A second application for new, or renewing, a private lease interest on crown land must meet rapidly changing rules and requirements. All disturbance activity on crown land must be registered with Alberta Parks and Environment to manage land, which is our greatest resource. Types of surveys may include forestry tower sites, recreational leases, power line distribution, well-sites, access roads and pipelines.

What is Explore's role in this?

- » Explore prides itself on the ability to work closely with the client to determine the plan that best suits their needs; coordinate based (hybrid cadastre) or a monumented plan.
- » Explore is experienced with new dispositions and renewals to bring existing dispositions into compliance with provincial regulations.
- » Explore has the ability to produce sketch construction and as-built plans which are registrable with Alberta Environment and Parks.





The AER acts as a regulator and enforcer for oil and gas operations and has begun to take a proactive stance in ensuring all companies have their assets properly registered with Alberta One-Call. If assets are not properly registered, this is considered “high-risk non-compliance” and the AER has the ability to both issue fines, as well as suspend operations until compliance is achieved. This is especially important when acquisitions or divestitures occur. OneCall Manager™ Pre-Screening provides a holistic approach to achieving compliance with respect to ground disturbances in Alberta.

Use Explore's One-Call Services To:

- » Expedite becoming a registered member of Alberta One-Call.
- » Ensure your pipeline infrastructure is properly registered and verified with Alberta One-Call.
- » Receive third party processing, screening, and administrative support for ground disturbance notifications issued by Alberta One-Call.

Line Locating & One-Call Management

Location accuracy is vital, and Explore is suitably trained to allow us to locate underground facilities for the purpose of ground disturbances. Our procedure is as follows:

- » Review up to date survey drawings for the area.
- » Obtain line list for the ground disturbance area.
- » Notify and confirm with landowners of any unmarked or unregistered underground obstacles or utilities.
- » At least 48 hours notice must also be given in writing to all foreign companies within 30 m of the edge of the ROW before entry or ground disturbance activities are to take place. Note: At least 72 hours is required for NEB facilities.
- » Explore must do a title search for all affected pipelines in the ground disturbance area.
- » Perform electronic line location for underground facilities and utilities.
- » The most accurate method is the direct conductive method (clamp onto the pipeline being identified). If this is not possible, electronically sweep the area using the four-separate grid pattern method (north/south, east/west and angular in both directions).
- » A strip of land 30 m wide on each side of a pipeline or the distance from the pipeline to the edge of the ROW whichever is wider, must be swept and confirmed as the “Safety Zone.” Federal Regulations state a “Safety Zone” as 30 m from edge of ROW regardless of the width of the ROW.
- » Stake all electronically located lines using color coding
- » On Site Supervisor must verify all lines with Explore before leaving the area.

ONE-CALL MANAGEMENT

One-Call is a management service Explore has created with the support of producers & regulatory bodies in Alberta, Saskatchewan and British Columbia to help alleviate the burden of managing the “Call Before You Dig” ticket process for ground disturbance.

This exists as a two-part service;

- » **Compliance Assurance**
- » **Pre-Screening**

We apply a proven process to set up and maintain our clients’ information with all the stakeholders that are necessary for compliance with Alberta Pipeline Regulations for pipeline registration with Alberta One Call.

One-Call Pre-Screening implements industry leading techniques and processes to safely determine proximity of the exact dig location to your valuable underground assets. Alberta One-Call distributes notifications with a minimum of a 400m sensitivity, while our techniques bring accuracy to within 50m and address individual pipeline control zones. Our service is 24/7 so you can be assured that your assets are in good hands around the clock.

As you may have seen, the AER is scrutinizing producers under section 59 of the Pipeline Regulations which reads, “Every licensee shall register with the Alberta One-Call service and shall register every licensed pipeline with Alberta One-Call regardless of the operational status of the pipeline...”.



Compliance Assurance

- » Starts with an initial data audit for verification.
- » Monthly Reporting provides an auditable Ticket Summary report so you can review and have a record of ALL the tickets received into OneCall Manager™.
- » Multiple-data sources are reviewed monthly to track any changes to your pipeline infrastructure which need to be updated with Alberta One-Call.
- » Ad-hoc updates are able to be prepared to register pipelines RIGHT AWAY.
- » For lines under 50m, they are covered in our buffering process, or manually entered during the Q and A with the client.

Pre-Screening

- » One-Call Pre-screening is a process driven by industry best practices. When notifications are received, our ticket screening technicians will be hard at work establishing direct contact with the contractor who placed the request.
- » This information is then compiled and cross referenced with registered pipeline information, and proximity to underground assets is determined.
- » A detailed recommendation is provided to the client with all available information combined into a single package which is distributed to the client for final approval.
- » Where locates are required, Explore will coordinate with the locator to ensure that the information is properly received.
- » Where locates are not required, once approved by the operator, Explore will follow up with the contractor on your behalf and ensure all their questions are answered and that they have the appropriate documentation to begin their work.



What Makes Explore Different?

- » Industry leading Pre-Screening processes.
- » Extensive audit trail stored for 7-years (5 years longer than the required 2).
- » Hierarchy driven distribution protocol to minimize administrative burden.
- » Monthly awareness of all changing pipeline information.
- » Multiple data sources ensure data is correct.

Satellite imagery with detailed, easy to understand, ticket information packages. Client follow-up and detailed e-mail content saves operators time in the field and allows them to remain focused on their daily operations.

24/7 customer support line.
All in flat fee pricing.

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