Battle Ground Town Council

Meeting Minutes, July 17, 2023

Attending: Council President James Miller, Councilors Matt Coppock, Steve Hahn, Greg Jones, Mary Jo Totten. Also attending: Clerk Treasurer Georgia Jones.

Guest: David Freeman

This meeting is a work session to address items not covered on July 10. Greg Jones called the meeting to order at 6:00 p.m. Additions to the agenda include developer David Freeman, a donation request, budget transfers, scrap equipment, waste contract approval, snow plow and truck expenditure.

Development information

David Freeman shared a concept sketch that he is working with for a planned commercial development. He is contacting developers with various specialties to construct different aspects of the plan, with his vision for architecture and traffic movement. The plan offers space for a town hall/community center if the council would like that location.

Waste hauling contract

After consideration of bids and options, James Miller moved to approve the Waste Management bid for 5 year duration, weekly trash and biweekly recycling pickup. Second of Matt Coppock, motion carried with unanimous vote.

Street Barn Repair, New Salt Barn

Necessary repairs to the Street Barn will be arranged with Ron Holladay, by Greg Jones and James Miller. Project estimate for budgeting is \$10,000.

The salt barn replacement is now a current project. The requirements are an 8" concrete floor, concrete lower walls and a high dome roof to allow delivery trucks to offload directly into the building. Matt Coppock will work with Ron Holladay to secure a current price and construction method.

Town Hall and Community Center

A vacant lot on South Railroad Street is available. James Miller shared an architect's rough sketch of potential site plan/construction for consideration. The building construction price estimate is \$300-350/square foot, or approximately \$1.6M plus an amount for the parking lot. This location would not require much site preparation compared to other sites that currently have dwellings. The council needs to know the price of the lots. Matt Coppock had a conflict and left the meeting at 7:20 p.m.

Solar Project

There was continuing discussion of the financial feasibility of working with Solential company to place a solar array at the sewage plant location to offset rising costs of electrical power. The cost of adding backup battery makes the project cost more than it would generate in power revenue, however installing the panels alone appears to be a reasonable risk and the backup battery could be placed later if the cost/revenue equation will support the investment.

A current government program would reimburse 30% of the installation, and the council could consider using a 10-15 year loan to support half of the remainder, and allocating Economic Development funds for the rest. This would pay off the project in half the expected life of the panels. Georgia Jones will

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investigate the State Revolving Fund for low-cost loan options, and James Miller will request clarification on pro forma information supplied by Solential representatives.

BG solar Installation info

After running multiple different options through budget pricing, system analysis modeling with the proposed Tipmont rate tariff and financial pro-forma analysis one project option looks viable financially. The other options had cost attributes that just didn't perform well in a 40 year analysis.

The option that appears to be viable is the smaller solar array at the waste water plant with no battery. The details associated with this project are as follows:

Current site electric usage - 430,680 kWh/year; 808 kW/year

Proposed Array size - 147 kW DC

Proposed base budget cost - \$345,000

Investment tax credit - \$103,500 (30%)

Net budget cost - \$241,500

Projected solar energy production - 227,621 kWh/year

Solar energy that is excess and will be sold to Tipmont – 76,988 kWh/year; the remainder will be used directly in the plant

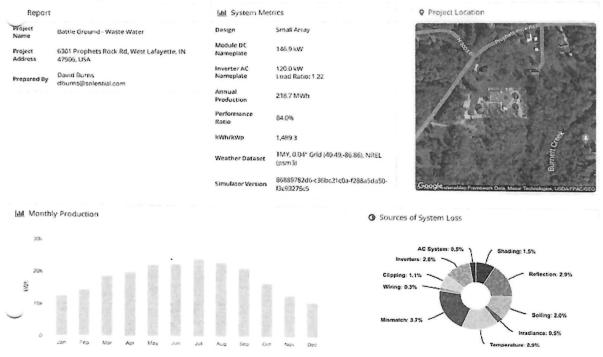
Proposed site electric usage - 292,069 kWh/year; demand stays the same as current.

Proposed financing - 30 year BOT @ 4.5%

Using the data above, projected maintenance costs, and Tipmont's proposed 4-part electric rate we have calculated the proforma savings against the current situation per the table below.

FINANCE COSTS - (SOLAR - To	own of Battle Ground - W	aste Water)
	RESULTS	
NAMEPLATE (DC)	147	kW
SAVINGS	вот	
1st Year \$	3,045	
5 Yr Accum \$	20,748	
25 Yr Accum S	232,397	
Lifetime Accum \$	823,180	

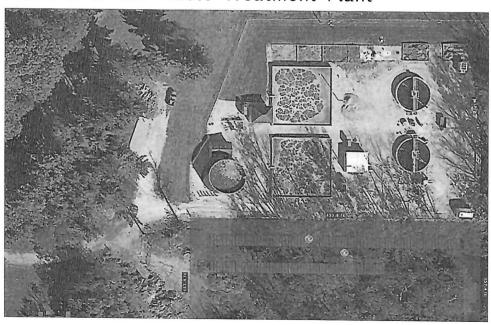
Small Array Battle Ground - Waste Water, 6301 Prophets Rock Rd, West Lafayette, IN 47906, USA



Annual Production

	Name of the last o				Condition Set											
Description			Output	% Delta	Description	Cond	lition Set 2	5								
Irradiance (kWh/m²)	Annual Global Hor				Weather Dataset	TMY.	0.04° Grid	(40.4	9,-85.8	36), NRE	L (psn	(3)				
		POA Irradiance Shaded Irradiance		16.0%	Solar Angle Location	Meteo Lat/Lng										
			344	-1.5%	Transposition Model	Perez Model										
		ce after Reflection	.,,,,,,,,	2.9%		rerez	Model									
		liance after Soiling		-2 0%	Temperature Model	Sandi	ia Model									
	Total Colle	ector Irradiance		0.0%	D 5% Temperature Model Parameters 2.9%	Rack Type			a	b		Temperature Delta			elta	
	_	Nameplate	244,422.6			Fixed	f Tilt		3.56	-0.07	75	3°C				
		t Irradiance Levels		-0.5%		Flush Mount -2.81 East-West -3.56 Carport -3.56		-2.81	-0.0455		0.0					
		mperature Derate		2.9%				-0.075		3°C						
		Output After Mismatch							3.56	-0.075		3°C				
		ptimal OC Output		-0.3%		3	F M	A	м	J	1		s c	0	N	
	Const	rained OC Output	1000	-1.1%	Sailing (%)	2	2 2	2	2	2	2					
		Inverter Output	7,000,000,000,000	-2.0%	Irradiation Variance	5%	- 4	2	4	4	2	2	2 2	2	2	
		Energy to Grid	218,743.9	-0.5%												
Avg. Operating Ambient Yemp Avg. Operating Cell Temp Simulation Metrics				Cell Temperature Spread	4° C											
			14.3°C	Module Binning Range	-2.5%	to 2.5%										
			23.9 °C	AC System Derate	0.50%											
						Maximum Angle Backtracking										
			Operating Hours Solved Hours			60°										
									Enabled							
					Module	Module		Uploaded By HelioScop		Character Spec Shee Character						
					Characterizations	144HC M10 Bifacial 540 (Heliene)										
				Component	Device		Uploaded By HelioScope			Ch	Characterization Spec Sheet					
						Solectria XGI 1000-80/60 (Yaskawa)				e Sp						
⊖ Compo	onents		& Wiring Z	ones											****	
Component	Name	Count	Description Combiner Poles		St	ring Size			String	ging St	rategy	,	-			
Inverters	Solectria XGI 1000-60/60 (Yaskawa)	2 (120:0 kW)	Winng Zone	ie -		16-16 Along Racking										
Strings	10 AWG (Copper)	17 (2,727.6 ft)	## Field Segments													
Module	Heliene, 144HC M10 Bifacial 540 (540W)	272 [146.9 kW)	Description	Racking Or	ientation Tilt Azimuti	h Intr	arow Spa	cing	Fra	me Size	Frai	nes	Modul	es	Pow	C
,,	(v.v.r.)	WA31	Array	Fixed Tilt Po	irtrait (Vertical) 30° 180°	20.0) ft		2x8		17		272		146) !

Location at the Waste Treatment Plant



Declare scrap equipment

The clerk's office owns a printer that the manufacturer has stopped supporting with service or repair parts, and a desktop computer that has an older operating system and insufficient memory for today's uses. Mary Jo Totten moved to declare these two items scrap and send them to E-recycling. Second of James Miller, motion carried with unanimous vote (4 Aye)

Transfer Appropriations

The council discussed how to pay for the major expense of the Woods Edge force main stoppage and line repair. Because the Hawks Nest project has not started construction, the loan payment that is due in July can be split and the principal paid by the loan. This budget allocation can be used for waste hauling expense, sludge removal, and engineering expense to investigate a new route for the Woods Edge force main. Mary Jo Totten moved to approve the loan payment and budget line transfer from 6201001776 bond/loan payment (98,000) to 6201763 Collection repairs (\$68,000), 6201001764 Sludge Removal (\$10,000) and 6201001730 Professional Services (\$20,000). Second of Steve Hahn, motion carried with unanimous vote.

Milestone retainage payment

It is anticipated that the Tomahawk Lane project will soon be approved for final payment of retainage to Milestone. At that time the cost will be allocated based on the retainage identified in Pay Estimates # 1-8. The amounts per fund: \$19177 to Wastewater, \$19177 to Storm Water, \$43946 to MVH, and \$9940 to Rainy Day. The latter amount is the retainage attributed to the ARPA funds that were assigned to pay for replacing old water lines along with the other utilities prior to the street reconstruction. Mary Jo Totten moved to accept the allocations as listed, with second of Steve Hahn. Motion carried with unanimous vote.

Donation Request

The Museum at Prophetstown is having a fundraiser for "The Barn" and asked if the town would be a sponsor. The minimum sponsorship is \$500. The council felt this was too high for current budget. Greg Jones moved to donate \$100 to support the mission of the museum in the Battle Ground community. Second of Mary Jo Totten, motion carried with unanimous vote.

Truck with snow plow

Steve Hahn requested approval to purchase a used truck and snow plow as recommended by Ron Holladay. James Miller moved to allow an amount not to exceed \$38,000. Second of Steve Hahn, motion carried with unanimous vote.

Motion to adjourn 8:03 p.m. by Mary Jo Totten with second of Steve Hahn.

Georgia Jones, Clerk Treasurer

James Miller, Council President

Memorandum of Open-Door Law Compliance Battle Ground Town Council

Date: July 17, 2023

Time: 6:00 p.m.

Members Present

in Person:

James Miller, Steve Hahn, Mary Jo Totten, Greg Jones, Matt Coppock

Also Present in Person:

Georgia Jones

Guest Present in Person:

David Freeman

Guest Present virtually:

None

Electronic Means of Communication Used For Members and Public: Zoom.us

Attest:

Georgia Jones, Clerk-Treasurer, Financial Clerk