



Livingston City Commission Agenda

November 07, 2017

6:30 PM

City – County Complex, Community Room

1. Call to Order

2. Roll Call

3. Moment of Silence

4. Pledge of Allegiance

5. Consent Items

- A. CONSENT - Approve minutes from regular 10.17.17 Commission meeting Page 4
- B. CONSENT - Approve Bills and Claims Page 7
- C. CONSENT - Approve application for Special Parking Space for Nancy Ann Davis Page 26
- D. CONSENT - Approve WRF change orders for Blower upgrades and SBR basin rebar addition Page 32

6. Proclamations

7. Scheduled Public Comment

8. Public Hearings

- A. ORDINANCE NO. 2066 - AN ORDINANCE OF THE CITY OF LIVINGSTON, MONTANA, AMENDING ORDINANCE NO. 2036 AND CHAPTER 9, ARTICLE IV OF THE LIVINGSTON MUNICIPAL CODE ENTITLED "PARKING, STOPPING, AND STANDING" AND SPECIFICALLY SECTION 9-243 BY ESTABLISHING TWO RESERVED PARKING SPACES FOR THE "WINDRIDER" BUS SERVICE AND PROVIDING FOR A PENALTY FOR VIOLATION. Page 74

9. Ordinances

10. Resolutions

- A. RESOLUTION NO. 4761 - A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF LIVINGSTON, MONTANA, DESIGNATING CITY DIRECTOR OF HUMAN RESOURCES AND ADMINISTRATIVE SERVICES AS THE ENVIRONMENTAL CERTIFYING OFFICER FOR MONTANA DEPARTMENT OF COMMERCE HOME GRANT FOR THE LIVINGSTON MEMORIAL HOSPITAL ADAPTIVE RE-USE PROJECT. Page 85
- B. RESOLUTION NO. 4762 - A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF LIVINGSTON, MONTANA, AUTHORIZING THE CITY MANAGER TO SIGN AN AGREEMENT WITH PARK COUNTY TO FACILITATE ESTABLISHING AND AMENDING INTERLOCAL AGREEMENTS. Page 87

11. Action Items

- A. DISCUSS/APPROVE/DENY - Approve recommendation from Planning Director Jim Woodhull for Planning Board subcommittee Page 97

B. DISCUSS/APPROVE/DENY - Approve City - County Solid Waste Compact Agreement Page 98

C. DISCUSS/APPROVE/DENY - Design features to be included in bid process for Main Street 2018 project

12. City Manager Comment

13. City Commission Comments

14. Public Comments

Individuals are reminded that public comments should be limited to items over which the City Commission has supervision, control, jurisdiction, or advisory power (MCA 2-3-202).

15. Adjournment

Calendar of Events

November 5, 2017 - Daylight Savings Time ends

November 7, 2017 - Election Day

November 7, 2017 - 6:30 - City Commission regular meeting, Community Room, City/County Complex

November 10, 2017 - Veteran's Day Holiday, City Offices closed

November 13, 2017 - World Kindness Day

November 14, 2016 - 3:30 p.m. - Historic Preservation regular meeting, Community Room, City/County Complex

November 14, 2017 - 7:00 p.m. - Board of Adjustments regular meeting, Community Room, City/County Complex

November 15, 2017 - 8:30 a.m. - Urban Renewal Agency regular meeting, East Room, City/County Complex

November 15, 2017 - 4:00 p.m. - Livingston - Park County Library Board regular meeting, Library meeting room, 228 West Callender St

November 15, 2017 - 5:30 p.m. - Planning Board regular meeting, Community Room, City/County Complex

November 15, 2017 - 6:00 p.m. - 7:30 p.m. - City-County Joint Open House to present The Future of City County Emergency Services, Livingston Depot Center

November 21, 2017 - 6:30 p.m. - City Commission regular meeting, Community Room, City/County Complex

November 22, 2017 - 6:00 p.m. - Parks and Trails regular meeting, Civic Center meeting room

November 23, 2017 - Thanksgiving Day, City Offices closed

Supplemental Material

Supplemental - Thank you note from Leadership 49

Notice

- **Public Comment:** The public can speak about an item on the agenda during discussion of that item by coming up to the table or podium, signing-in, and then waiting to be recognized by the Chairman. Individuals are reminded that public comments should be limited to items over which the City Commission has supervision, control, jurisdiction, or advisory power (MCA 2-3-202).
- **Meeting Recording:** An audio and/or video recording of the meeting, or any portion thereof, may be purchased by contacting the City Administration. The City does not warrant the audio and/or video recording as to content, quality, or clarity.
- **Special Accommodation:** If you need special accommodations to attend or participate in our meeting, please contact the Fire Department at least 24 hours in advance of the specific meeting you are planning on attending.

Backup material for agenda item:

- A. CONSENT - Approve minutes from regular 10.17.17 Commission meeting

Livingston City Commission Meeting
October 17, 2017
6:30 PM
City-County Complex

1. Call to Order

2. Roll Call

- Bennett, Hoglund, Friedman, Schwarz and Sandberg were present.

3. Moment of Silence

4. Pledge of Allegiance

5. Consent Items (00:01:38)

A. CONSENT - Approve minutes from regular 10.3.17 meeting

B. CONSENT - Approve Bills and Claims

- Friedman made a motion to approve Consent Items A and B. Hoglund seconded.
 - All in favor, motion passed 5-0.

6. Proclamations

7. Scheduled Public Comment

A. SCHEDULED PUBLIC COMMENT - Scott Buecker and Brian Viall from AE2S with update regarding Livingston Water Reclamation Facility (WRF) upgrade (00:02:05)

- Patricia Grabow made comments (00:17:00)

8. Public Hearings

9. Ordinances

A. ORDINANCE NO. 2066 - AN ORDINANCE OF THE CITY OF LIVINGSTON, MONTANA, AMENDING ORDINANCE NO. 2036 AND CHAPTER 9, ARTICLE IV OF THE LIVINGSTON MUNICIPAL CODE ENTITLED "PARKING, STOPPING, AND STANDING" AND SPECIFICALLY SECTION 9-243 BY ESTABLISHING TWO RESERVED PARKING SPACES FOR THE "WINDRIDER" BUS SERVICE AND PROVIDING FOR A PENALTY FOR VIOLATION. (00:25:20)

- Schwarz made a motion to pass Ordinance No. 2066. Hoglund seconded.
 - All in favor, motion passed 5-0.

10. Resolutions

11. Action Items

A. **DISCUSS/APPROVE/DENY - Ron Nemitz and Heather McMilin requesting a fee waiver on behalf of Livingston Memorial Hospital Adaptive Reuse project** (00:31:18)

- Heather McMilin and Mary Beebe made comments
- Schwarz made a motion to waive permit fees per request of Livingston Memorial Hospital Adaptive Reuse project. Hoglund seconded.
 - Motion passed 3-2. (Bennett and Sandberg opposed.)

B. **DISCUSS/APPROVE/DENY - Funding for Missouri River Task Force officer** (00:54:38)

- Tim Barnes made comments (01:03:03)
- Commission directed the administration to review potential funding options for funding a task force officer for Missouri River Task Force.

C. **DISCUSS/APPROVE/DENY - Approve Charter Franchise Agreement**

- Schwarz made a motion to amend the Charter Franchise Agreement to exclude Landon's Lookout from the list of 'Cable Service to Public Buildings', listed as Exhibit A in the Franchise Agreement. Hoglund seconded.
 - All in favor, motion passed 5-0.
- Friedman made a motion to pass the Charter Franchise Agreement as amended. Hoglund seconded.
 - All in favor, motion passed 5-0.

12. City Manager Comment (01:21:00) – Public work session scheduled for November 1, 2017 from 5:30 – 7:30 p.m. to discuss the Traffic Study Update proposals and invite public comment regarding incorporation of the proposals. Comments will be limited to four minutes maximum.

13. City Commission Comments

- Friedman made comments. (01:29:29)
- Hoglund made comments. (01:29:36)

14. Public Comments

Individuals are reminded that public comments should be limited to items over which the City Commission has supervision, control, jurisdiction, or advisory power (MCA 2-3-202).

- Peter Connelly made comments. (01:30:25)
- Patricia Grabow made comments. (01:55:44)

15. Adjournment (8:42 PM)

Backup material for agenda item:

- B. CONSENT - Approve Bills and Claims

11/01/17
09:21:24

CITY OF LIVINGSTON
Claim Approval List
For the Accounting Period: 11/17

Page: 1 of 8
Report ID: AP100

Operating Cash
* ... Over spent expenditure

Claim	Check	Invoice #/Inv Date/Description	Vendor #/Name/	Document \$/ Line \$	Disc \$	PO #	Fund Org Acct	Object Proj	Cash Account
				*** Claim from another period (10/17) ****					
33932		2 A-1 MUFFLER, INC.		129.00					
	62920	09/22/17 Truck repair		129.00			1000 155 430930	362	101000
				*** Claim from another period (10/17) ****					
33933		22 ALL SERVICE TIRE & ALIGNMENT,		10.00					
	53263	10/03/17 Mower front tire		10.00			1000 155 460430	231	101000
				*** Claim from another period (10/17) ****					
33934		402 ALPINE ELECTRONICS RADIO SHACK		78.97					
	10242962	10/12/17 Ink and batteries		78.97			5410 504 430830	231	101000
				*** Claim from another period (10/17) ****					
33935		3293 BLACKFOOT COMMUNICATIONS		149.98					
	166824	10/01/17 St WFR and Solid Waste Shops		49.99			2500 151 430220	346	101000
	166824	10/01/17 St, WFR and Solid Waste Shops		49.99			5310 503 430610	346	101000
	166824	10/01/17 St, WFR and Solid Waste Shops		50.00			5410 504 430820	346	101000
				*** Claim from another period (10/17) ****					
33936		2112 CHURCHILL EQUIPMENT CO., INC.		838.16					
	044614	08/17/17 mower		838.16			1000 155 460430	231	101000
				*** Claim from another period (10/17) ****					
33937		63 HOUSE OF CLEAN		44.72					
	196261	10/05/17 Station supplies		44.72			1000 141 420400	220	101000
				*** Claim from another period (10/17) ****					
33938		98 GRAYBEAL'S ALL SERVICE		676.00					
	87581	10/09/17 Training Center heater		676.00			5510 142 420730	940	101000
				*** Claim from another period (10/17) ****					
33939		3037 JOHNSTON ELECTRIC, LLC		25.90					
	6743	09/25/17 37% Relocate conduit		25.90			1000 121 411230	360	101000
				*** Claim from another period (10/17) ****					
33940		102 INDUSTRIAL TOWEL		37.70					
	32885	10/12/17 Towels, rugs		37.70			1000 121 411230	360	101000
				*** Claim from another period (10/17) ****					
33941		3042 ARTISTIC LANDSCAPING,LLC		144.30					
	3309	10/04/17 37% Blow out sprinklers -		55.50			1000 121 411230	360	101000
	3314	10/04/17 Mow property		88.80			1000 121 411230	360	101000
				*** Claim from another period (10/17) ****					
33944		1658 KONE INC.		295.68					
	949733640	10/01/17 37% Elevator Maint. 10-12/1		295.68			1000 121 411230	360	101000
				*** Claim from another period (10/17) ****					
33945		1783 J & H OFFICE EQUIPMENT		213.00					
	2107774	10/03/17 Canon Copier lease		213.00			1000 123 411700	368	101000

11/01/17
09:21:24

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Claim Approval List
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Page: 2 of
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Operating Cash
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Claim	Check	Invoice #/Inv Date/Description	Vendor #/Name/ Line \$	Document \$/ Line \$	Disc \$	PO #	Fund Org Acct	Object Proj	Cash Account
				*** Claim from another period (10/17) ****					
33946		3092 DRIVER, JAMES		1,437.22					
	16-17	10/12/17 Over payment PP Vol FF Pension		1,437.22			7910 212310		101000
				*** Claim from another period (10/17) ****					
33947		3440 CHARTER COMMUNICATIONS		885.51					
	0179860	10/04/17 110 S. B Internet		885.51			1000 122 411300	346	101000
				*** Claim from another period (10/17) ****					
33948		3633 BILLING DOCUMENT SPECIALISTS		70.00					
	43699	09/30/17 Online monthly maintenance		70.00*			5210 502 430570	213	101000
				*** Claim from another period (10/17) ****					
33950		2788 CLARKE'S CUSTOM IRON		2,370.00					
	0002512	09/29/17 Memorial benches		2,370.00*			1000 155 460430	361	101000
				*** Claim from another period (10/17) ****					
33951		3417 RON AND SONS PAINTING		400.00					
	7-2017	07/11/17 Lot Cleanup, E.Lewis, Orion, P		400.00			1000 106 411030	393	101000
				*** Claim from another period (10/17) ****					
33952		470 HAWKINS, INC		674.00					
	4151240	10/03/17 Chlorine		674.00			5210 502 430515	355	101000
				*** Claim from another period (10/17) ****					
33953		3730 SCHROETLIN, PHILIP		198.88					
	17-18	10/10/17 Travel Expense- Lewiston MEMSA		198.88			1000 141 420400	370	101000
				*** Claim from another period (10/17) ****					
33954		63 HOUSE OF CLEAN		391.82					
	196193	10/05/17 Park toilets/garbage supplies		391.82			1000 155 460430	231	101000
				*** Claim from another period (10/17) ****					
33955		1314 RIVER BEND		15.00					
	517	10/10/17 Logo's		15.00			1000 141 420400	220	101000
				*** Claim from another period (10/17) ****					
33956		3731 W L CONSTRUCTION SUPPLY, INC.		409.99					
	14649	07/17/17 K-12 Saw Blade (bond)		409.99*			4100 141 420460	940	101000
				*** Claim from another period (10/17) ****					
33957		3387 J & H, Inc.		95.99					
	514628	10/09/17 Water		19.19			5210 502 430515	368	101000
	514628	10/09/17 Sewer		19.20			5310 503 430625	368	101000
	514628	10/09/17 Solid Waste		19.20			5410 504 430830	368	101000
	514628	10/09/17 Street		19.20			2500 151 430240	368	101000
	514628	10/09/17 Building & Planning		19.20			1000 106 411030	368	101000
				*** Claim from another period (10/17) ****					
33958		15 JOHN DEERE FINANCIAL		5.40					
	437192	05/03/17 Mower parts		5.40			1000 155 430930	361	101000

11/01/17
09:21:24

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*** Claim from another period (10/17) ****									
33972		55 LIVINGSTON HEALTH CARE-MEMORIAL		155.60					
	3603458	10/05/17 Patient supplies		101.20			5510 142 420730	235	101000
	18057	10/05/17 Patient supplies		54.40			5510 142 420730	235	101000
*** Claim from another period (10/17) ****									
33973		22 ALL SERVICE TIRE & ALIGNMENT,		15.00					
	53280	10/05/17 flat repair		15.00			5510 142 420730	235	101000
*** Claim from another period (10/17) ****									
33974		2671 COMDATA		1,898.82					
	2027678	10/01/17 Fuel		524.23			1000 141 420400	236	101000
	2027678	10/01/17 Fuel		1,374.59			5510 142 420730	236	101000
*** Claim from another period (10/17) ****									
33975		3713 SYSCO MONTANA, INC		264.18					
	143463783	10/07/17 Coffee		264.18			1000 123 411700	211	101000
*** Claim from another period (10/17) ****									
33976		162 CENTURYLINK		931.06					
	3850	10/04/17 Sewer Plant		177.99			5310 503 430640	343	101000
	5606	10/04/17 Utility Billing 1/3		161.29			5210 502 430520	343	101000
	5570	10/04/17 Utility Billing 1/3		161.29			5310 503 430620	343	101000
	5570	10/04/17 Utility Billing 1/3		161.28			5410 504 430820	343	101000
	4903	10/04/17 Planning Dept		164.44			1000 106 411030	343	101000
	6436	10/04/17 Park Dept		104.77			1000 109 460449	343	101000
*** Claim from another period (10/17) ****									
33978		146 LIVINGSTON ENTERPRISE		129.00					
	17-18	10/04/17 Yr Subscription 414 E. Callend		129.00*			1000 123 411300	211	101000
*** Claim from another period (10/17) ****									
33980		999999 FOURHORNS, JUSTIN WILSON		4.00					
	TK17-0089	10/04/17 Refund overpayment		4.00			1000 351036		101000
*** Claim from another period (10/17) ****									
33981		999999 MISKA, DIANE		40.00					
	C16-001	10/04/17 Restitution payment D. Munro		20.00			1000 351030		101000
	C16-002	10/04/17 Restitution payment J. Munro		20.00			1000 351030		101000
*** Claim from another period (10/17) ****									
33982		3237 WHISTLER TOWING, LLC		75.00					
	15595	10/11/17 Tow 03 Saturn abandoned		75.00			1000 131 420100	350	101000
*** Claim from another period (10/17) ****									
33983		879 VERIZON WIRELESS		406.35					
	9793909855	10/04/17 Air Cards - Sept.		406.35			1000 131 420100	347	101000
*** Claim from another period (9/17) ****									
33984		2840 DICK ANDERSON CONSTRUCTION		348,304.77					
WRF pay app 2									
	2	09/30/17 WRF pay application 2		351,823.00*			5310 503 430640	940	101000
	2	09/30/17 Gross receipts tax withheld		-3,518.23*			5310 503 430640	940	101000

11/01/17
09:21:24

CITY OF LIVINGSTON
Claim Approval List
For the Accounting Period: 11/17

Page: 5 of 12
Report ID: AP100

Operating Cash
* ... Over spent expenditure

Claim	Check	Invoice #/Inv Date/Description	Vendor #/Name/ Line \$	Document \$/ Line \$	Disc \$	PO #	Fund Org Acct	Object Proj	Cash Account
				*** Claim from another period (9/17) ****					
33985		429 DEPT OF REV. BUSINESS TAX BUREAU		3,518.23					
	09/30/17	DAC Draw 1 Gross receipts tax		3,518.23*			5310 503 430640	940	101000
				*** Claim from another period (10/17) ****					
33986		3660 BARNES & THORNBURG, LLP		27,633.00					
	10/24/17	Bond Council - WWTP BAN		27,633.00*			5310 503 430640	940	101000
				*** Claim from another period (10/17) ****					
33987		84 A & I DISTRIBUTORS		181.40					
	3035440 10/13/17	55 gal blue		181.40			5410 504 430830	231	101000
				*** Claim from another period (10/17) ****					
33988		948 BRIDGER ELECTRIC, INC.		1,536.75					
	896 10/13/17	Electrical work 10/10-12		1,536.75			2500 151 430240	361	101000
				*** Claim from another period (10/17) ****					
33989		23 CARQUEST AUTO PARTS		10.32					
	1912392988 10/16/17	Air filter		10.32			2500 151 430240	232	101000
				*** Claim from another period (10/17) ****					
33990		2919 FOUR CORNERS RECYCLING, LLC		950.40					
	1171 09/27/17	Plastic baling		244.20			5410 504 430840	388	101000
	1171 09/27/17	Pull fees		2,970.00			5410 504 430840	388	101000
	1171CM 09/27/17	Mixed metals/white goods		-1,374.60			5410 504 430840	388	101000
	1171CM 09/27/17	ONP Loose		-174.60			5410 504 430840	388	101000
	1171CM 09/27/17	OCC-Loose		-327.20			5410 504 430840	388	101000
	1171CM 09/27/17	Mixed cans		-387.40			5410 504 430840	388	101000
				*** Claim from another period (10/17) ****					
33991		26 LIVINGSTON ACE HARDWARE -		6.99					
	B21371 10/17/17	Spryprimr zinc		6.99			5310 503 430625	231	101000
				*** Claim from another period (10/17) ****					
33992		3016 MT WATERWORKS		2,127.94					
	24495 10/13/17	Mueller hydrant ext.		800.00			5210 502 430515	231	101000
	24278 09/25/17	Hydrant and water parts		1,327.94			5210 502 430515	231	101000
				*** Claim from another period (10/17) ****					
33994		3688 MURDOCH'S RANCH & HOME SUPPLY		92.98					
	00487 10/17/17	Lamp		42.99			2500 151 430240	231	101000
	00489 10/17/17	Swivel jack side		49.99			2500 151 430240	232	101000
				*** Claim from another period (10/17) ****					
33995		1439 STAFFORD ANIMAL SHELTER		2,276.25					
	Sept.2017 10/10/17	Boarding, Vacc, & euth.		2,276.25*			1000 154 440640	350	101000
				*** Claim from another period (10/17) ****					
33996		2889 SETCO		980.70					
	205677 10/13/17	Plowbolt		980.70			5410 504 430830	232	101000

11/01/17
09:21:24

CITY OF LIVINGSTON
Claim Approval List
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Page: 6 of 13
Report ID: AP100

Operating Cash
* ... Over spent expenditure

Claim	Check	Invoice #/Inv Date/Description	Vendor #/Name/ Line \$	Document \$/ Line \$	Disc \$	PO #	Fund Org Acct	Object Proj	Cash Account
*** Claim from another period (10/17) ****									
33997		3353 STORY DISTRIBUTING		646.64					
	78216	10/10/17 Diesel 27lg		632.24*			1000 123 411700	236	101000
	78216	10/10/17 Additive 18 oz.		14.40*			1000 123 411700	236	101000
*** Claim from another period (10/17) ****									
33998		2608 STATE OF MONTANA - ITSD		150.20					
	20180930	10/11/17 33% Video Conferencing		150.20			1000 102 410360	380	101000
*** Claim from another period (10/17) ****									
33999		151 NORTHWESTERN ENERGY		2,414.12					
	0709935	10/10/17 33% 414 E. Callender St.		2,159.00			1000 121 411230	341	101000
	0709868	10/10/17 33% 414 E. Callender St.		8.52			1000 121 411230	341	101000
	3120133	10/10/17 110 S. B St.		149.28			1000 121 411230	341	101000
	3120134	10/10/17 112 S. B St.		97.32			1000 121 411230	341	101000
*** Claim from another period (10/17) ****									
34000		2999 TEAR IT UP L.L.C.		33.20					
	36109	10/18/17 76#'s Shredding		33.20			1000 123 411700	360	101000
*** Claim from another period (10/17) ****									
34001		306 GLASS, PEGGY		135.89					
	17-18	10/06/17 Travel - APCO Meeting & CJIN		135.89			2300 132 420160	380	101000
*** Claim from another period (10/17) ****									
34002		22 ALL SERVICE TIRE & ALIGNMENT,		15.00					
	53355	10/18/17 Flat tire		15.00			5210 502 430515	231	101000
*** Claim from another period (10/17) ****									
34003		1245 BERG EXCAVATION, LLC		600.00					
	2014	10/22/17 Excavator rental		600.00*			5310 503 430625	531	101000
*** Claim from another period (10/17) ****									
34004		23 CARQUEST AUTO PARTS		725.94					
	1912392703	10/12/17 Battery		126.99			5210 502 430515	232	101000
	1912393010	10/16/17 Battery		101.49			5310 503 430625	232	101000
	1912393134	10/17/17 Cabin air & veh. AFC RTU		106.28			5410 504 430830	231	101000
	1912392977	10/16/17 Air and grease		391.18			5410 504 430830	231	101000
*** Claim from another period (10/17) ****									
34005		2904 FISHER SAND AND GRAVEL		533.00					
	42490	07/22/17 Concrete		424.00			5210 502 430515	231	101000
	49022	09/30/17 Pool and memorial bench slab		50.00			1000 155 460445	361	101000
	49022	09/30/17 Pool and memorial bench slab		59.00*			1000 155 460430	361	101000
*** Claim from another period (10/17) ****									
34006		54 GATEWAY OFFICE SUPPLY		13.18					
	38239	10/23/17 UPS to MSE labs		13.18			5210 502 430515	355	101000

11/01/17
09:21:24

CITY OF LIVINGSTON
Claim Approval List
For the Accounting Period: 11/17

Page: 7 of 14
Report ID: AP100

Operating Cash
* ... Over spent expenditure

Claim	Check	Invoice #/Inv Date/Description	Vendor #/Name/ Line \$	Document \$/ Line \$	Disc \$	PO #	Fund Org Acct	Object Proj	Cash Account
*** Claim from another period (10/17) ****									
34007		102 INDUSTRIAL TOWEL		66.67					
	33835	10/20/17 Mat cleaning		8.56			5210 502 430510	224	101000
	33835	10/20/17 Mat cleaning		8.55			5310 503 430610	224	101000
	33735	10/20/17 Slate WRF		23.90			5310 503 430610	224	101000
	33735	10/20/17 Mat cleaning		8.55			2500 151 430220	224	101000
	33735	10/20/17 Mat cleaning		8.55			5410 504 430820	220	101000
	33735	10/20/17 Mat cleaning		8.56			1000 106 411030	200	101000
*** Claim from another period (10/17) ****									
34008		63 HOUSE OF CLEAN		175.47					
	196193-01	10/16/17 Liner		175.47			1000 155 460430	231	101000
*** Claim from another period (10/17) ****									
34009		26 LIVINGSTON ACE HARDWARE -		97.96					
	B22178	10/18/17 Primer and cement		25.98			5310 503 430625	231	101000
	B22107	10/18/17 Wheelbarrow		54.99*			1000 155 460430	361	101000
	B21618	10/17/17 Battery		16.99			2500 151 430240	231	101000
*** Claim from another period (10/17) ****									
34010		3688 MURDOCH'S RANCH & HOME SUPPLY		59.90					
	00500	10/19/17 Suction hose and coupler		59.90			2500 151 430240	231	101000
*** Claim from another period (10/17) ****									
34011		64 NEWMAN TRAFFIC SIGNS		5,295.59					
	0314959	10/11/17 Signs		5,295.59			2820 210 430240	241	101000
*** Claim from another period (10/17) ****									
34012		12 NORMONT EQUIPMENT		1,056.78					
	16046	10/16/17 Asphalt		1,056.78			2820 210 430240	471	101000
*** Claim from another period (10/17) ****									
34016		151 NORTHWESTERN ENERGY		7,398.41					
	0709793-4	10/13/17 406 Bennett 50%		145.03			2500 151 430220	341	101000
	0709793-4	10/13/17 406 Bennett 50%		145.03			5410 504 430820	341	101000
	2171060-3	10/13/17 Scale House 408 Bennett		48.03			5410 504 430820	341	101000
	1728687-3	10/06/17 Transfer Station 408 Bennet		455.80			5410 504 430820	341	101000
	3267010-1	10/06/17 Compactor 330 Bennett		91.86			5410 504 430820	341	101000
	0709794-2	10/06/17 WRF 316 Bennett		5,824.20			5310 503 430640	341	101000
	0720048-8	10/06/17 330 Bennett 1/4		149.08			5210 502 430520	341	101000
	0720048-8	10/06/17 330 Bennett 1/4		149.09			5310 503 430620	341	101000
	0720048-8	10/06/17 330 Bennett 1/4		149.09			5410 504 430820	341	101000
	0720048-8	10/06/17 330 Bennett 1/4		149.09			1000 106 411030	341	101000
	3015965-1	10/13/17 Fire Training Center		92.11			1000 141 420400	341	101000
*** Claim from another period (10/17) ****									
34017		2437 O'REILLY AUTOMOTIVE, INC		14.12					
	1558109483	10/18/17 Mini bulb		5.35			1000 155 430950	362	101000
	1558109477	10/18/17 Mini bulb and 7.5amp		8.77			1000 155 430950	362	101000

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Claim	Check	Invoice #/Inv Date/Description	Vendor #/Name/	Document \$/ Line \$	Disc \$	PO #	Fund Org Acct	Object Proj	Cash Account
*** Claim from another period (10/17) ****									
34019			3390 TD&H ENGINEERING, INC	2,832.75					
	10919	10/13/17 033	Discovery Vista	67.25			5310 503 430610	352	101000
	10919	10/13/17 033	Discovery Vista	67.25			5310 503 430630	960	101000
	10919	10/13/17 033	Discovery Vista	67.25			5210 502 430515	350	101000
	10919	10/13/17 029	LHC Review	728.75			5210 502 430515	350	101000
	10919	10/13/17 029	LHC Review	728.75			5310 503 430610	352	101000
	10919	10/13/17 029	LHC Review	325.25			2500 151 430220	352	101000
	10919	10/13/17 024	Acreville	390.50			2500 151 430220	352	101000
	10919	10/13/17 024	Acreville	390.50			5210 502 430515	350	101000
	10919	10/13/17 032	Northtown Subdivision	22.42			5210 502 430515	350	101000
	10919	10/13/17 032	Northtown Subdivision	22.41			5310 503 430610	352	101000
	10919	10/13/17 032	Northtown Subdivision	22.42			2500 151 430220	352	101000
*** Claim from another period (10/17) ****									
34020			3390 TD&H ENGINEERING, INC	1,830.95					
	10920	10/13/17	Vault infill	1,830.95*			2310 470300	350	101000
*** Claim from another period (10/17) ****									
34021			1568 TWENTERPRISES, INC.	3,145.41					
	34014	10/12/17	Transfer swtich	3,145.41			5310 503 430630	940	101000
*** Claim from another period (10/17) ****									
34023			102 INDUSTRIAL TOWEL	66.67					
	31052	09/22/17	Mat cleaning	8.56			5210 502 430510	224	101000
	31052	09/22/17	Mat cleaning	8.55			5310 503 430610	224	101000
	31052	09/22/17	Slate WRF	23.90			5310 503 430610	224	101000
	31052	09/22/17	Mat cleaning	8.55			2500 151 430220	224	101000
	31052	09/22/17	Mat cleaning	8.55			5410 504 430820	220	101000
	31052	09/22/17	Mat cleaning	8.56			1000 106 411030	200	101000
*** Claim from another period (10/17) ****									
34024			2346 MONTANA DEPT OF ENVIRONMENTAL	7,328.00					
	511802756	09/19/17	Comm. Connection fee	7,328.00			5210 502 430515	540	101000
*** Claim from another period (10/17) ****									
34025			15 JOHN DEERE FINANCIAL	148.10					
	476624	08/11/17	Clevis	12.06			5210 502 430515	231	101000
	415875	01/26/17	Bolts	26.80			5210 502 430515	231	101000
	433383	04/20/17	Coupler	109.24			5210 502 430515	231	101000
*** Claim from another period (10/17) ****									
34026			3659 RIVERSIDE HARDWARE LLC	8.99					
	27845	08/28/17	Tile	8.99			5310 503 430625	231	101000
*** Claim from another period (10/17) ****									
34032			272 PARK COUNTY	379.58					
	1026	10/25/17	City phones	105.02			1000 122 411300	343	101000
	1026	10/25/17	Fire 50% phones	47.48			1000 141 420400	343	101000
	1026	10/25/17	Amb 50% phones	47.47*			5510 142 420730	343	101000
	1026	10/25/17	Police phones	77.10			1000 131 420100	350	101000
	1026	10/25/17	Dispatch phone	35.21			2300 132 420160	343	101000

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	1026	10/25/17	37% Misc Maint Supplies	67.30			1000 121 411230	365	101000
									*** Claim from another period (10/17) ****
34033		2595	TOWN & COUNTRY FOODS -	50.72					
	8236002	10/25/17	Scale House Supplies	50.72			5410 504 430870	214	101000
									*** Claim from another period (10/17) ****
34034		55	LIVINGSTON HEALTH CARE-MEMORIAL	140.00					
	1723790	10/19/17	Lab Work	28.00			1000 131 420100	350	101000
	1707702	10/19/17	Lab Work	28.00			1000 131 420100	350	101000
	1702547	10/19/17	Lab Work	28.00			1000 131 420100	350	101000
	1647916	10/19/17	Lab Work	28.00			1000 131 420100	350	101000
	1617463	10/19/17	Lab Work	28.00			1000 131 420100	350	101000
									*** Claim from another period (10/17) ****
34035		3732	RY Timber	280.00					
	101617COL	10/16/17	Wood Chips	280.00			1000 155 460430	231	101000
									*** Claim from another period (10/17) ****
34036		54	GATEWAY OFFICE SUPPLY	18.58					
	38100	10/12/17	Classification Folders	9.98			1000 123 411700	211	101000
	38218	10/20/17	File Folders	8.60			1000 123 411700	211	101000
									*** Claim from another period (10/17) ****
34037		102	INDUSTRIAL TOWEL	32.00					
	33823	10/20/17	Towels, Rugs	32.00			1000 121 411230	360	101000
									*** Claim from another period (10/17) ****
34038		1157	U.S. POSTAL SERVICE	49.00					
	17-18	10/23/17	Roll of Postage Stamps	49.00			1000 123 411700	310	101000
									*** Claim from another period (10/17) ****
34039		9	CRASH REPAIR CENTER, INC.	70.00					
	10/16/17		M2 Repair	70.00*			5510 142 420730	232	101000
									*** Claim from another period (10/17) ****
34040		14	SHOPKO STORES, LLC	14.49					
	031770010	10/23/17	Station Supplies	14.49*			5510 142 420730	220	101000
									*** Claim from another period (10/17) ****
34041		3284	RW & JW ENTERPRISES, LLC.	1,350.00					
	1112	10/18/17	Enoine Pump Test	1,350.00			1000 141 420400	350	101000
									*** Claim from another period (10/17) ****
34043		23	CARQUEST AUTO PARTS	0.94					
	1912393435	10/20/17	Engine 2 Repairs	0.94			1000 141 420400	232	101000
									*** Claim from another period (10/17) ****
34044		3387	J & H, Inc.	2,166.00					
	515425	10/19/17	Canon Copier Maint -Annual 110	1,038.00			1000 123 411700	368	101000
	515424	10/19/17	Canon Copier Maint -Annual 414	1,128.00			1000 123 411700	368	101000

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*** Claim from another period (10/17) ****									
34045		1747 CANON FINANCIAL SERVICES, INC		145.80					
	17892922	10/24/17 Printer Copier Lease		145.80*			1000 109 460442	320	101000
*** Claim from another period (10/17) ****									
34046		54 GATEWAY OFFICE SUPPLY		52.00					
	38251	10/24/17 Colored Paper		52.00			1000 123 411700	211	101000
*** Claim from another period (10/17) ****									
34047		22 ALL SERVICE TIRE & ALIGNMENT,		41.00					
	53344	10/16/17 Junior SUV - Oil Change		41.00			1000 131 420100	360	101000
*** Claim from another period (10/17) ****									
34048		292 UPS STORE #2420, THE		138.22					
	0334960880	10/20/17 Crime Lab Shipment		9.71			1000 123 411700	310	101000
	4201628317	10/20/17 Crime Lab Shipment		128.51			1000 123 411700	310	101000
*** Claim from another period (10/17) ****									
34049		999999 MISKA, DIANE		40.00					
	C16-001	10/12/17 Restitution payment D. Munro		20.00			1000 351030		101000
	C16-002	10/12/17 Restitution payment J. Munro		20.00			1000 351030		101000
*** Claim from another period (10/17) ****									
34050		999999 MUELLER BRIAN		100.00					
	TK16-0268	10/10/17 Restitution Ryan Fields		100.00			1000 351030		101000
*** Claim from another period (10/17) ****									
34051		2705 CITY OF LIVINGSTON		32.72					
	17-18	10/23/17 Coffee Creamer		26.07			1000 123 411700	211	101000
	17-18	10/27/17 Postage		6.65			1000 123 411700	310	101000
*** Claim from another period (10/17) ****									
34052		958 HARRINGTON, KEVIN		48.08					
	17-18	10/23/17 Flex Account		48.08			7910 212970		101000
*** Claim from another period (10/17) ****									
34053		3237 WHISTLER TOWING, LLC		75.00					
	15704	10/19/17 Abandoned 88 Cadillac Deville		75.00			1000 131 420100	350	101000
*** Claim from another period (10/17) ****									
34054		3237 WHISTLER TOWING, LLC		125.00					
	7359	10/11/17 Tow Ford Freestyle		125.00			1000 131 420100	350	101000
*** Claim from another period (10/17) ****									
34055		642 MONTANA LAW ENFORCEMENT ACADEMY		337.00					
	10836	10/16/17 Tuition - Gunderson		137.00			1000 131 420100	370	101000
	10836	10/16/17 Meals lodging - Gunderson		200.00			1000 131 420100	380	101000
*** Claim from another period (10/17) ****									
34056		642 MONTANA LAW ENFORCEMENT ACADEMY		446.00					
	10813	10/16/17 Tuition - Gunderson		300.00			1000 131 420100	380	101000
	10813	10/16/17 Meals lodging - Gunderson		146.00			1000 131 420100	370	101000

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Claim	Check	Invoice #/Inv Date/Description	Vendor #/Name/ Line \$	Document \$/ Line \$	Disc \$	PO #	Fund Org Acct	Object Proj	Cash Account
*** Claim from another period (10/17) ****									
34057		3659 RIVERSIDE HARDWARE LLC		6.49					
	31911	10/26/17 Carpet Cleaner		6.49			1000 123 411700	211	101000
*** Claim from another period (10/17) ****									
34058		541 HAEFS, BRAD		250.00					
	17-18	10/25/17 Clothing Damage		250.00			1000 106 411030	200	101000
*** Claim from another period (10/17) ****									
34060		162 CENTURYLINK		320.18					
	0082	10/16/17 City Shop 50%		30.70			2500 151 430220	343	101000
	0082	10/16/17 City Shop 12%		7.37			5310 503 430620	343	101000
	0082	10/16/17 City Shop 38%		23.32			5410 504 430820	343	101000
	0149	10/16/17 Civic Center		98.94			1000 109 460449	343	101000
	0083	10/16/17 Building Dept.		159.85			1000 143 420403	343	101000
*** Claim from another period (10/17) ****									
34061		424 ENERGY LABORATORIES, INC.		292.00					
	114992	10/23/17 Eff Comp		292.00			5310 503 430640	355	101000
*** Claim from another period (10/17) ****									
34062		2863 KIMBALL MIDWEST		40.68					
	5904615	10/10/17 Meds		40.68			5310 503 430640	225	101000
*** Claim from another period (10/17) ****									
34063		2830 LEHRKIND'S COCA-COLA		51.10					
	1452384	10/24/17 Water 5 gal.		25.55			5310 503 430640	225	101000
	1456567	10/24/17 Water 5 gal.		25.55			5310 503 430640	225	101000
*** Claim from another period (10/17) ****									
34064		26 LIVINGSTON ACE HARDWARE -		52.98					
	B25379	10/25/17 Prem trayset C+K EXT PPl SAT		52.98			5310 503 430640	231	101000
*** Claim from another period (10/17) ****									
34065		3688 MURDOCH'S RANCH & HOME SUPPLY		47.97					
	00528	10/26/17 Heater		47.97			5310 503 430625	231	101000
*** Claim from another period (10/17) ****									
34066		10 MOBILE REPAIR & WELDING, INC		2,000.60					
	28816	10/23/17 20 pcs. fla5t		38.24			5410 504 430830	231	101000
	28815	10/23/17 Parts		1,962.36			5410 504 430830	231	101000
*** Claim from another period (10/17) ****									
34068		2999 TEAR IT UP L.L.C.		35.60					
	36211	10/25/17 Shredding		5.93			1000 106 411030	220	101000
	36211	10/25/17 Shredding		5.93			1000 155 430100	220	101000
	36211	10/25/17 Shredding		5.93			2500 151 430240	361	101000
	36211	10/25/17 Shredding		5.93			5210 502 430510	220	101000
	36211	10/25/17 Shredding		5.94			5310 503 430620	220	101000
	36211	10/25/17 Shredding		5.94			5410 504 430820	220	101000

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Claim	Check	Invoice #/Inv Date/Description	Vendor #/Name/	Document \$/ Line \$	Disc \$	PO #	Fund Org Acct	Object Proj	Cash Account
*** Claim from another period (10/17) ****									
34069		2432 XYLEM DEWATING SOLUTION, INC.		815.00					
	400725572	07/28/17 Clinic lift station repair		1,145.00			5310 503 430625	361	101000
	800035566	10/26/17 Clinic liftstation repair c		-330.00			5310 503 430625	361	101000
*** Claim from another period (10/17) ****									
34071		151 NORTHWESTERN ENERGY		476.68					
	0709891-6	10/13/17 15 Fleshman Creek		17.23			1000 155 430950	341	101000
	0709870-0	10/13/17 422 South G		113.45			1000 155 430950	341	101000
	0709878-3	10/11/17 227 River Dr. Con st. and s		51.61			1000 155 430950	341	101000
	0709884-1	10/10/17 616 River Dr. Pmp		138.40			1000 155 430950	341	101000
	0709879-1	10/10/17 227 River Dr. Softball fiel		7.35			1000 155 430950	341	101000
	1906055-7	10/13/17 815 North 13th - Irri		1.74			1000 155 430950	341	101000
	0720176-7	10/13/17 Weimer Park		41.56			1000 155 430950	341	101000
	1155965-5	10/13/17 229 River Dr.		6.09			1000 155 430950	341	101000
	2138754-3	10/13/17 G street park		93.16			1000 155 430950	341	101000
	3210240-2	10/13/17 616 River dr.		6.09			1000 155 430950	341	101000
*** Claim from another period (10/17) ****									
34073		151 NORTHWESTERN ENERGY		6,586.76					
	0709873-4	10/13/17 800 W. Cambridge pmp		27.29			5310 503 430625	344	101000
	0719058-0	10/09/17 3 Rogers Lane Lift Station		35.91			5310 503 430625	344	101000
	0709914-6	10/09/17 1011 River Dr. pmp		15.74			5310 503 430625	344	101000
	1452951-5	10/09/17 Monroe Lift Station		215.86			5310 503 430625	344	101000
	1594141-2	10/09/17 9th and 10th Lift Station		25.11			5310 503 430625	344	101000
	3258086-2	10/13/17 2800 East Park L.S.		137.78			5310 503 430625	344	101000
	3258262-9	10/06/17 320 Alpenglow L.S.		195.20			5310 503 430625	344	101000
	0709892-4	10/13/17 40 Water Tower Ave.		48.54			5210 502 430515	341	101000
	0709876-7	10/10/17 132 South B - B st. well		1,501.23			5210 502 430515	341	101000
	0709886-6	10/13/17 200 E Reservoir		94.92			5210 502 430515	341	101000
	0709894-0	10/06/17 56 Water tower		324.31			5210 502 430515	341	101000
	1441030-2	10/10/17 D and Geyser Well House		1,643.16			5210 502 430515	341	101000
	0709874-2	10/11/17 Werner pmp		975.86			5210 502 430515	341	101000
	0709875-9	10/11/17 900 River Dr. Pmp		1,345.85			5210 502 430515	341	101000
*** Claim from another period (10/17) ****									
34074		151 NORTHWESTERN ENERGY		1,596.41					
	0709871-8	10/13/17 Star Addition		301.21			2400 420100	340	101000
	3287727-6	10/13/17 320 Alpenglow LN		41.44			2400 420100	340	101000
	3386783-9	10/13/17 Btwn G and H on Clark		59.20			2400 420100	340	101000
	3386845-6	10/13/17 Btwn I and K on Callender		55.67			2400 420100	340	101000
	3386846-4	10/13/17 Btwn 7th and 8th on Summit		28.92			2400 420100	340	101000
	1498936-2	10/13/17 I90 & 89S		5.97			2400 420100	340	101000
	0709796-7	10/13/17 97 View Vista Dr.		6.22			2400 420100	340	101000
	1893530-4	10/13/17 600 W Park		77.06			2400 420100	340	101000
	1493850-0	10/13/17 412 W. Callender		77.81			2400 420100	340	101000
	3141997-1	10/13/17 C & D on Lewis		24.06			2400 420100	340	101000
	2023484-5	10/16/17 1100 W. Geyser		5.85			2400 420100	340	101000

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	2023479-5	10/16/17	900 W. Geyser		5.85		2400 420100	340	101000
	2114861-4	10/13/17	132 South B		176.90		2400 420100	340	101000
	1893536-1	10/13/17	E Street and Alley		56.62		2400 420100	340	101000
	1893541-1	10/13/17	18 W Park		116.88		2400 420100	340	101000
	1747572-4	10/13/17	F and G on Callender		32.89		2400 420100	340	101000
	1747570-8	10/13/17	D and E on Callender		61.55		2400 420100	340	101000
	1613803-4	10/13/17	M and N on Callender		79.29		2400 420100	340	101000
	1290352-2	10/13/17	School Flasher Park & 13th		8.36		2400 420100	340	101000
	1134879-4	10/13/17	N. 7th and Montana and Chin		48.02		2400 420100	340	101000
	1134866-1	10/13/17	N 2nd and Montana and Chino		78.48		2400 420100	340	101000
	0709869-2	10/13/17	Carol Ln		120.10		2400 420100	340	101000
	3093027-5	10/13/17	105 West Park		55.25		2400 420100	340	101000
	3093023-4	10/13/17	320 North Main		18.95		2400 420100	340	101000
	3093003-6	10/13/17	114 West Summit		32.85		2400 420100	340	101000
	3184602-5	10/13/17	202 South 2nd.		21.01		2400 420100	340	101000
									*** Claim from another period (10/17) ****
34075			781 2M COMPANY, INC.		101.83				
	8079337	10/25/17	Lagoon		101.83		1000 155 460430	401	101000
									*** Claim from another period (10/17) ****
34076			3491 COFFMAN'S PEAK ELECTRIC, LLC		608.92				
	1103	10/24/17	Lagoon		608.92		1000 155 460430	401	101000
									*** Claim from another period (10/17) ****
34077			26 LIVINGSTON ACE HARDWARE -		76.79				
	B24351	10/23/17	Park bathroom winterization		5.00		1000 155 460430	231	101000
	B25572	10/25/17	Lagoon		5.97		1000 155 460430	401	101000
	B25529	10/25/17	Parts		31.47		1000 155 460430	401	101000
	B26079	10/26/17	Lagoon		34.35		1000 155 460430	401	101000
									*** Claim from another period (10/17) ****
34078			3210 LIVINGSTON LOCKS & CLOCKS		38.75				
	125952	10/26/17	Duplicate Keys		38.75		5410 504 430830	231	101000
									*** Claim from another period (10/17) ****
34079			64 NEWMAN TRAFFIC SIGNS		51.37				
	0315174	10/18/17	Digital flat		51.37		2820 210 430240	241	101000
									*** Claim from another period (10/17) ****
34080			2348 VILLA, HECTOR		368.82				
	17-18	10/27/17	Flex Account - Closed		368.82		7910 212970		101000
									*** Claim from another period (10/17) ****
34081			3733 Core&Main		62.86				
	964604	10/19/17	Solvent weld		62.86		5310 503 430625	231	101000

11/01/17
09:21:24

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Operating Cash
* ... Over spent expenditure

Claim	Check	Invoice #/Inv Date/Description	Vendor #/Name/	Document \$/ Line \$	Disc \$	PO #	Fund Org Acct	Object Proj	Cash Account
*** Claim from another period (10/17) ****									
34082		3453 DESERT MOUNTAIN, INC.		4,413.33					
	17-56152	10/24/17 Ice slicer		4,413.33			2820 210 430240	450	101000
*** Claim from another period (10/17) ****									
34083		26 LIVINGSTON ACE HARDWARE -		58.63					
	B26214	10/27/17 File and Fastners		74.04			2820 210 430240	241	101000
	B26337	10/27/17 Credit		-15.41			2820 210 430240	241	101000
*** Claim from another period (10/17) ****									
34084		3605 ADVANCED ENGINEERING &		83,270.88					
	55152	10/27/17 WRF Construction Services		83,270.88*			5310 503 430640	940	101000
*** Claim from another period (10/17) ****									
34085		3390 TD&H ENGINEERING, INC		7,655.30					
	10796	10/27/17 027 Storm Water Study		2,755.90			2399 151 430240	960	101000
	10796	10/27/17 033 Discovery Vista		395.67			5310 503 430610	352	101000
	10796	10/27/17 033 Discovery Vista		395.67			5210 502 430515	350	101000
	10796	10/27/17 033 Discovery Vista		395.66			5310 503 430630	960	101000
	10796	10/27/17 020 General Civil		202.50			5310 503 430610	352	101000
	10796	10/27/17 020 General Civil		202.50			5210 502 430515	350	101000
	10796	10/27/17 020 General Civil		202.50*			2500 151 430220	350	101000
	10796	10/27/17 031 9th and 10th sewer		1,919.15			5310 503 430630	960	101000
	10796	10/27/17 024 Acreville		535.88			5210 502 430515	350	101000
	10796	10/27/17 024 Acreville		535.87			2500 151 430220	352	101000
	10796	10/27/17 025 Brookstone		38.00			5310 503 430610	352	101000
	10796	10/27/17 025 Brookstone		38.00			5210 502 430515	350	101000
	10796	10/27/17 025 Brookstone		38.00			2500 151 430220	352	101000
*** Claim from another period (10/17) ****									
34086		151 NORTHWESTERN ENERGY		1,038.10					
	0708370-2	10/13/17 8th and Park sprinklers		6.22			1000 155 430950	341	101000
	0719373-3	10/13/17 229 River Dr.		9.90			1000 155 430950	341	101000
	0720113-0	10/10/17 229 River Dr. CC Building		96.66			1000 155 430950	341	101000
	0709880-9	10/10/17 200 River Dr. Pool		157.20			1000 155 430950	341	101000
	0709881-7	10/10/17 229 River Dr. Civic Center		768.12			1000 155 430950	341	101000
*** Claim from another period (10/17) ****									
34087		151 NORTHWESTERN ENERGY		5,117.13					
	0709877-5	10/06/17 200 E Reservoir		884.69			5210 502 430515	341	101000
	0719271-9	10/09/17 601 Robin lan- well		2,112.05			5210 502 430515	341	101000
	0719272-7	10/10/17 4 Billman Lane well		2,102.89			5210 502 430515	341	101000
	0709882-5	10/13/17 229 River Dr. pmp.		17.50			5210 502 430515	341	101000
*** Claim from another period (10/17) ****									
34088		151 NORTHWESTERN ENERGY		4,021.63					
	0719358-4	10/16/17 Street lights		3,882.45			2400 420100	340	101000
	0720122-1	10/13/17 400 Nortn M		12.76			2400 420100	340	101000
	0802599-1	10/13/17 608 W Chinook		62.83			2400 420100	340	101000
	0933715-5	10/13/17 710 W. Callender		63.59			2400 420100	340	101000

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CITY OF LIVINGSTON
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Operating Cash
* ... Over spent expenditure

Claim	Check	Invoice #/Inv Date/Description	Vendor #/Name/	Document \$/ Line \$	Disc \$	PO #	Fund Org Acct	Object Proj	Cash Account
*** Claim from another period (10/17) ****									
34090			879 VERIZON WIRELESS	1,998.86					
	0836	10/20/17	McClure	16.18			5210 502 430515	347	101000
	6948	10/20/17	Rich Stordalen	56.42			5410 504 430820	347	101000
	2471	10/20/17	Solid Waste - Truck	21.69			5410 504 430820	347	101000
	0340	10/20/17	EMS	115.87*			5510 142 420730	347	101000
	0168	10/20/17	EMS	28.46*			5510 142 420730	347	101000
	0167	10/20/17	EMS	93.49*			5510 142 420730	347	101000
	0169	10/20/17	EMS	28.46*			5510 142 420730	347	101000
	2114	10/20/17	Fire	115.87			1000 141 420400	347	101000
	0542	10/20/17	Fire	91.77			1000 141 420400	347	101000
	3580	10/20/17	Fire	42.52			1000 141 420400	347	101000
	8483	10/20/17	Planning	21.79			1000 106 411030	347	101000
	0712	10/20/17	Dispatch	17.22			2300 132 420160	220	101000
	7702	10/20/17	Cemetery	21.83			1000 155 430950	347	101000
	6974	10/20/17	Roaming Crew - Jones	35.33			1000 155 430950	347	101000
	1469	10/20/17	Water Cell	83.38			5210 502 430515	347	101000
	1472	10/20/17	Water Cell	18.64			5210 502 430515	347	101000
	2195	10/20/17	Roaming	113.17			1000 155 430950	347	101000
	7857	10/20/17	Sewer	16.60			5310 503 430620	347	101000
	1470	10/20/17	Sewer	27.23			5310 503 430620	347	101000
	9101	10/20/17	Schweigert 1/2 Water	45.68			5210 502 430515	347	101000
	9101	10/20/17	Schweigert 1/2 Sewer	45.67			5310 503 430620	347	101000
	6565	10/20/17	Water 1/2	29.82			5210 502 430515	347	101000
	6565	10/20/17	Sewer 1/2	29.81			5310 503 430620	347	101000
	1359	10/20/17	Parks	16.16			1000 155 430950	347	101000
	1823	10/20/17	Street	21.85			2500 151 430220	347	101000
	2197	10/20/17	Animal Control	80.04			1000 154 440640	347	101000
	2196	10/20/17	Street	93.28			2500 151 430220	347	101000
	9008	10/20/17	Code Enforcement	16.16			1000 143 420403	347	101000
	7258	10/20/17	Building	21.94			1000 143 420403	347	101000
	1308	10/20/17	Finance Director	-30.09			1000 122 411300	347	101000
	74.22	10/20/17	City Manager	70.18			1000 122 411300	347	101000
	222-8155	10/20/17	Rec. Dept	78.56			1000 109 460449	347	101000
	223-1616	10/20/17	ATS	-22.45			1000 109 460449	347	101000
	223-2233	10/20/17	ATS	58.27			1000 109 460449	347	101000
	823-9870	10/20/17	ATS	96.78			1000 109 460449	347	101000
	823-9535	10/20/17	City Pool	29.78			1000 109 460449	347	101000
	224-2053	10/20/17	Fire Chief	91.77			1000 141 420400	347	101000
	224-8678	10/20/17	Medic 2	28.46*			5510 142 420730	347	101000
	823-9928	10/20/17	Fire & Rescue	42.52			1000 141 420400	347	101000
	823-9929	10/20/17	Fire & Rescue	42.52			1000 141 420400	347	101000
	223-8255	10/20/17	Fire & Rescue	42.71			1000 141 420400	347	101000
	223-8268	10/20/17	Public Works Eng - Whitman 1	30.43			5210 502 430515	347	101000
	223-8268	10/20/17	Public Works Eng - Whitman 1	30.44			5310 503 430620	347	101000

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Operating Cash
* ... Over spent expenditure

Claim	Check	Invoice #/Inv Date/Description	Vendor #/Name/ Line \$	Document \$/ Line \$	Disc \$	PO #	Fund Org Acct	Object Proj	Cash Account
	224-2470	10/20/17	Transfer Station		27.77		5410 504 430820	347	101000
	223-6314	10/20/17	Scale House		16.46		5410 504 430820	347	101000
	224-0509	10/20/17	Solid Waste - Van		75.01		5410 504 430820	347	101000
	224-5246	10/20/17	Tom's Ipad		22.94		5210 502 430515	347	101000
	224-5022	10/20/17	WWTP - Dan		72.25		5310 503 430620	347	101000
	224-8119	10/20/17	WWTP - Pager		16.16		5310 503 430620	347	101000
	224-0542	10/20/17	Training Officer		-27.14		1000 141 420400	347	101000
	224-8678	10/20/17	Medic 2		-18.27*		5510 142 420730	347	101000
	223-0167	10/20/17	Medic 1		-26.75*		5510 142 420730	347	101000
	224-2053	10/20/17	Fire Chief		-38.21		1000 141 420400	347	101000
	223-0340	10/20/17	EMS Director		-5.61*		5510 142 420730	347	101000
	223-2114	10/20/17	Captains Phone		-27.84		1000 141 420400	347	101000
	223-0168	10/20/17	Medic 4		-6.77*		5510 142 420730	347	101000
	223-0169	10/20/17	Medic 3		-6.77*		5510 142 420730	347	101000
	223-6974	10/20/17	Bill Jones - Roaming		-12.31		1000 155 430950	347	101000
	823-9535	10/20/17	City Pool		-18.27		1000 109 460449	347	101000
			*** Claim from another period (10/17) ****						
34091		3692	MORGAN CONTRACTORS		32,337.56				
	4	10/27/17	Vault infill project		32,337.56*		2310 470300	350	101000
			*** Claim from another period (10/17) ****						
34092		122	DEPARTMENT OF REVENUE		326.64				
	4	10/27/17	1% gross receipts tax -Morgan		326.64*		2310 470300	350	101000
			*** Claim from another period (10/17) ****						
34093		146	LIVINGSTON ENTERPRISE		1,216.00				
	138923	09/26/17	Sex Offender - Shane Billings		48.75		1000 131 420100	324	101000
	138919	09/26/17	PH - 309 S. Yellowstone		42.00		1000 101 410130	331	101000
	138964	09/28/17	Sex Offender - Shane Billings		48.75		1000 131 420100	324	101000
	139092	10/02/17	Intent to Amend Budget 16-17		594.00		1000 101 410130	331	101000
	139148	10/03/17	PH before City Zoning Comm.		39.00		1000 101 410130	331	101000
	139333	10/06/17	PH - 111 N. L Street		42.00		1000 101 410130	331	101000
	139375	10/09/17	Notice - Postponed Work Sess		21.00		1000 101 410130	331	101000
	139431	10/11/17	Request for Prop. 2018 Police		110.00		1000 131 420100	320	101000
	139430	10/11/17	Bids 2018 Police SUV		225.50		1000 131 420100	320	101000
	139565	10/17/17	Skate Park Comm. Meeting		21.00		1000 101 410130	331	101000
	139730	10/20/17	City Manager Performance Eval.		24.00		1000 101 410130	331	101000
			*** Claim from another period (10/17) ****						
34094		3727	AAA CLEANING, LLC		300.00				
	10-2017	10/31/17	Cleaning - October		300.00		1000 121 411230	360	101000
			*** Claim from another period (10/17) ****						
34095		2958	NEOFUNDS BY NEOPOST USA, INC		1,036.68				
	11386275	10/22/17	Postage		345.56*		5210 502 430570	213	101000
	11386275	10/22/17	Postage		345.56		5310 503 430670	213	101000
	11386275	10/22/17	Postage		345.56*		5410 504 430870	213	101000

Backup material for agenda item:

- C. CONSENT - Approve application for Special Parking Space for Nancy Ann Davis

10/20/17

City of Livingston
Application for Special Parking Spaces
Reserved for Disabled Persons On a Public Street
(Please note this process may take up to 90 days from date of submission)

Name of Applicant: Nancy Ann Davis

Address: 219 W Callender Apt #20 Phone: 406-548-2845

Type of Special Parking Space Requested:

General Public Use X Reserved for Personal Use of a Disabled Person. (\$50 fee)

Specific Location of the Requested Space: Anywhere 3rd + Callender St.

Reason for the Request:

Total knee replacement / Fibromyalgia

If requesting a "special parking space" reserved for personal use in a residential area, please answer the following questions:

- 1. Do you operate a vehicle displaying a specialty inscribed license plate issued by the state of Montana to disabled persons... Yes X No
2. Is the requested parking space adjacent to your permanent residence? Yes X No
3. Does reasonably accessible and practicable off street parking exist? Yes No X
4. License plate number of vehicle(s) designated to use the space: MT BVA129
5. Are the designated vehicles operated by you? Yes X No

Administrative Use Only

Date application received: 10/20/2017 Reviewed by: Shannon Holmes

Does request meet criteria? Yes X No

Comments Meets the criteria in Code Section 9-243.

City Commission Action: Approved Denied Date:

Installation of Sign:

Sign installed by: Date:

Amount Collected: Check no.

Removal of Sign

Sign removed by: Date

Reason for Removal:

Special reserved parking space requirements:
2012 C:

Does it comply with Ordinance #

ADDRESS: 219 W. Callender (Ebert Apartments)
Parking space will be on 3rd Street
S.E. corner of 3rd + Callender

The space must be located on a smooth, level surfaces as near as practicable to building entrances or walkways that have curb cuts and appropriately designed ramps and access lanes to accommodate wheelchairs.

Comments: Has ADA Ramp in front of parking space

If parallel to curbside the parking space must be separated from an adjacent space, either in the front or the rear, by at least 5 ft of striped no-parking area.

Comment: Complies

A parking space reserved for a person with a disability must be designated by a sign showing the international symbol of accessibility, indicating that a permit is required, and stating the penalty for a violation. The sign must be attached to a wall or post in a way that it is not obscured by a vehicle parked in the space.

Comment: will install when approved

In my opinion this space does comply X

Does not comply _____

I suggest that the council Approve X this request

Disapprove _____ this request

Signature Craig Nak

156.00 = MOKVI

Montana Vehicle Registration

Valid Through Date 01/31/2018

Renewal Cust Nbr 2923147

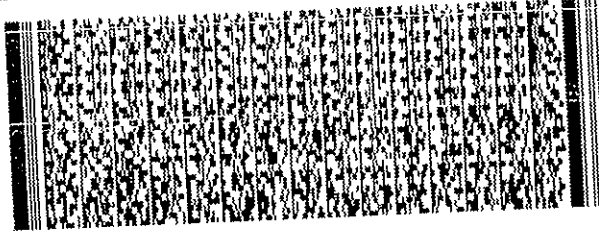
County	Rosebud	Issue Date	01/05/2017	Tab Nbr	BVA129011801	Park Fee Paid	
Usage	Regular	User	pj2906	Plate Nbr	BVA129		
Reg Usage	Regular	Fleet Nbr		Plate Type	Disabled Large (DX)		
Reg Type		OTN					

29

Owners / Lessors
 Nancy Ann Davis
 1855 Main St
 Apt B2
 Forsyth, MT 59327

VIN	1GCEC14ZXME203899	Year	1991	Make	Chevrolet	Model	Gmt-400
Veh Type	Truck (TK)	Style	PK	Color	White	Ext Model	
Weight		Ton Code	1/2 Ton	GVW Beg	01/01/2017	Veh Nbr	4001648
Decl GVW	1000	GVW Class	Class 1			GVW End	12/31/2017

Nancy Ann Davis
 PO Box 1383
 Forsyth, MT 593271383



INSTRUCTIONS:
 1) Remove decal by bending paper along dotted line.
 2) Lift edge of decal and slowly peel.

By Registering this vehicle the applicant acknowledges having knowledge of the FMCSR and FHMR, if applicable.

MONTANA LIABILITY INSURANCE IDENTIFICATION CARD

Valid in U.S. and Canada

This Card Must Be Shown To Any Law Enforcement Officer Upon Request

BRISTOL WEST INSURANCE COMPANY NAIC #19658
 P.O. BOX 22-9080 HOLLYWOOD, FL 33022-9080

POLICY NUMBER	EFFECTIVE DATE	EXPIRATION DATE
G00-8300682-00	05/03/2017	11/03/2017

Not Valid More than One Year from Effective Date

INSURED
 NANCY DAVIS

13 TRAVERTINE LN TRLR 18
 LIVINGSTON MT 59047-4125

PRODUCER 2588985 PHONE: 406-222-9494
 Brandon, Catherine
 312 E PARK ST
 LIVINGSTON MT 59047-2757

YEAR MAKE/MODEL
 1991 CHEV GMT-400 C1500
 VEHICLE IDENTIFICATION NO
 1GCEC14ZXME203899

SEE IMPORTANT MESSAGE ON REVERSE SIDE



FARMERS

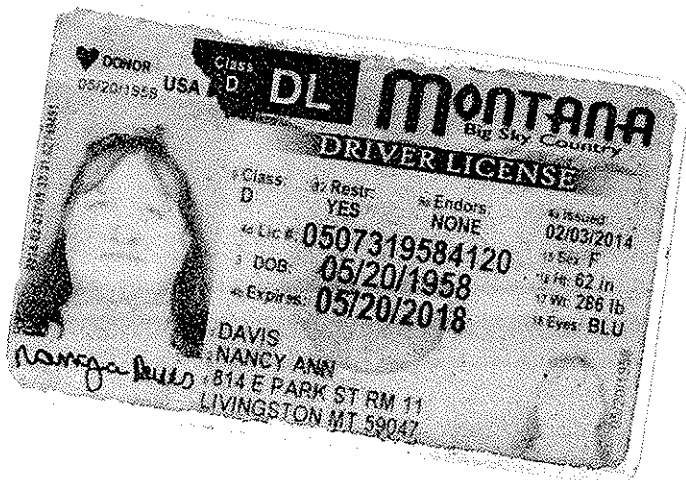
Bristol West is a member of the Farmers Insurance Group of Companies.

Underwritten By: Bristol West Insurance Company

KEEP THIS CERTIFICATE IN YOUR AUTOMOBILE AT ALL TIMES

In the event of a loss, call us Toll-Free, 24 hours a day, from anywhere in the United States: 1-800-274-7865

For policy information, call Customer Services at 1-888-888-0080
www.bristolwest.com



Livingston HealthCare
Orthopedic & Rehabilitation INSTITUTE

NOTICE: METAL DETECTOR SENSITIVITY
 Patient Name: Nancy Davis
 Patient has following metal implants (orthopedic):
 Ankle Femur Hip Tibia
 Total Knee Replacement Shoulder Replacement
 Other: 11/12/2009
 Michelle Donaldson, MD · Orthopedic Surgery · 406.222.9970
 1315 West Crawford Street · Livingston, MT · 59047





Backup material for agenda item:

D. CONSENT - Approve WRF change orders for Blower upgrades and SBR basin rebar addition

October 31, 2017

Michael Kardoes, City Manager
414 East Callender Street
Livingston, MT 59047
mkardoes@livingstonmontana.org

Re: Recommendation for Approval of Change Order No. G-1 from DAC for the Livingston WRF Upgrade project

Dear Mr. Kardoes:

AE2S recommends the approval of the enclosed Change Order G-1 for the Livingston WRF Upgrade project pending USDA-RD's and DEQ formal Concurrence.

Requested Action:

Please review and approve Change Order G-1. If acceptable, AE2S will facilitate final execution of Change Order G-1 by routing to the appropriate parties for signature.

Summary of Changes:

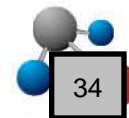
1) Dick Anderson Construction - Proposed Change Order No. 1 – Blower Upgrades

- Please refer to the following enclosed letter, dated October 30, 2017 – **RE: Livingston WRF Upgrade – Consideration of an Upgrade to Integrally Geared Turbo Blowers.**
- See DAC Letter Dated October 18, 2017 – **RE: Blowers Upgrades**

2) Dick Anderson Construction Proposed Change Order No. 2 – SBR Basin Rebar Addition

The delivery method for the Project is Design-Bid-Build. This method is the industry standard for wastewater facility projects in Montana – both USDA-RD and DEQ require design-bid-build and the EJCDC Contracts outline this delivery method explicitly. Inherent in this delivery process are multiple layers of review. The review process helps ensure the products the Contractor delivers are meeting specifications but also allow designers and reviewers the chance to improve details in the design to provide greater value to the project. This system helps to provide the Owner with as much utility as possible while keeping the economic means reasonable and justifiable.

During the review of shop drawing submittals for the structural steel reinforcement for the concrete SBR basin walls, structural reviewers and designers realized the standard detail referenced in the plans for the west wall of SBR Basin 2 could be improved. Though the detail referenced was consistent with the structural demands of structural loadings expected in the design life of the project, it was not consistent with City's desire for this wall to be built with as much potential for future expansion capability as possible. For a relatively minor change in price, additional rebar was provided so that the wall would be capable of providing further value if an additional basin was ever needed in future improvements.



Change Order Cost Evaluation:

<i>EOPCC of Additional Rebar Reinforcement:</i>	\$11,326.17
<i>Proposed Cost Change from Contractor:</i>	\$12,025.79

AE2S and TD&H completed the EOPCC for the Contractor to provide the additional rebar reinforcement prior to receiving the final PCO price from DAC. (The full spreadsheet of this EOPCC showing the calculations and assumptions is enclosed for further review – See “*EOPCC for Additional Structural Steel Reinforcement.*”) As demonstrated by the small margin of cost difference between the EOPCC and PCO, the Engineer feels the Contractor’s PCO price is fair and reflects an equitable market value of the material and labor provided. In other words, the cost for adding this additional rebar reinforcement by Change Order is commensurate with the price the City could have expected had this addition been included in the base bid for the project.

Changes to the General Construction Contract:

Change in Contract Price:

○ Current Contract Price:	\$14,782,072.00
○ Cost increase from Change Order G-1:	<u>+ \$58,767.94</u>
○ Adjusted Contract price:	\$14,840,839.94

Change in Contract Times:

○ Time adjustments:	2 Days added to Readiness for Final Payment
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Project Budget:

This Change Order is contingent upon Funding Agency concurrence, however, assuming concurrence is granted, this Change Order would be an eligible project cost for reimbursement through the City’s funding package consisting of grant and loan money from SRF, USDA-RD, DNRC-RRGL, and TSEP which includes \$985,608.00 of contingency.

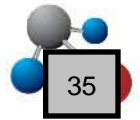
This Change Order does not change the Total Project Costs previously established and approved by the City and all funding agencies.

We appreciate the opportunity to continue to provide professional engineering services to the City of Livingston and look forward to serving you throughout construction of the Livingston WRF Upgrades project. Should you have any questions or concerns, please do not hesitate to contact me at your convenience.

Sincerely,

AE2S

Brian Viall, EIT
Project Engineer



Encl.: Change Order G-1

AE2S Letter Dated October 30, 2017: **RE: Consideration for an Upgrade to Integrally Geared Turbo Blowers**

DAC Letter Dated October 18, 2017: **RE: SBR Blower Upgrades**

EOPCC for Additional Structural Steel Reinforcement

DAC Letter Dated October 18, 2017: **RE: SBR Basin Rebar Addition**

C: Shannon Holmes, Public Works Director – City of Livingston
Paige Fetterhoff, CPA, Chief Finance Officer – City of Livingston
Scott Buecker, PE, Project Manager – AE2S

October 30, 2017

Mr. Shannon Holmes
Public Works Director
330 Bennett Street
Livingston, MT 59047
sholmes@livingstonmontana.org

**Re: Livingston WRF Upgrade
Consideration of an Upgrade to Integrally Geared Turbo Blowers**

Dear Mr. Holmes:

Request:

Please consider this recommendation to approve an upgrade to Integrally Geared Turbo Blowers for the Livingston WRF Upgrade (Project). AE2S recommends upgrading to integrally geared turbo blowers for the benefits predicted in energy cost savings, the operational convenience of procuring a single technology for the aeration requirements for the aerobic digesters and the WAS Holding Basins, the smaller equipment footprint offered by the turbo blowers, and the reduced noise generation.

This letter provides discussion on the following topics to support this recommendation: **Background Information** regarding blower design, selection, and bidding; **Life-Cycle Cost Analysis**; **Construction Budget Impacts vs. Operational Budget Impacts**; and **Operational Benefits**. Please consider this information when making your final decision.

Background Information

The bid documents for the Project allowed the Contractor to provide one of two blower packages, herein referred to as *Blower Package 1* and *Blower Package 2*, described further below. Both packages were designed to meet the performance requirements for the same intended application – providing aeration for the Aerobic Digesters and the WAS Holding Basins.

Blower Design Parameters & Assumptions

- Aerobic Digestion Blower Discharge Pressure Requirements – 9.7 psi.
- WAS Holding Basin (WHB) Discharge Pressure Requirements – 5.5 psi.
- Blowers provided shall be supplied by a single manufacturer to simplify long-term O&M.
- High Energy Efficiency is a priority for City and WRF Operators.

Blower Package 1:

- Four (4) Integrally-Geared Turbo Blowers - Spec Section 43 11 35
- **Estimated Energy Efficiency (based on data provided by manufacturer): 75-80%**
- **Acceptable Manufacturers:** *Inovair*; Approved Equal

Blower Package 2:

- Two (2) Positive Displacement – WAS Holding Basins - Spec Section 43 11 33
 - **Estimated Energy Efficiency (based on typical PD Blowers): 55-65%**
 - **Acceptable Manufacturers:** *Kaeser*; *Aerzen*; *Garder-Denver*; *Atlas Copco*; Approved Equal

- Two (2) Rotary Screw Blowers – Aerobic Digesters – Spec Section 43 11 34
 - **Estimated Energy Efficiency (based on data provided by manufacturer): 70-78%**
 - **Acceptable Manufacturers:** Kaeser; Aerzen; Garder-Denver; Atlas Copco; Approved Equal

The Integrally-gearred turbo blowers of Blower Package 1 are extremely efficient (75 to 80%) and can handle the discharge pressures of both applications. However, Inovair is currently the only company manufacturing integrally-gearred turbo blowers. Sole-sourcing blowers from Inovair during design was not feasible given the additional administrative hurdles presented by the funding agencies, the bidding timeline, and it would likely have resulted in less competitive pricing. Though Inovair blowers offer the energy efficiency and the convenience of a single blower technology, a second competing blower package (Blower Package 2) was specified to meet competitive bidding requirements.

Blower Package 2 included two blower technologies – rotary screw and positive displacement. Rotary screw blowers are almost as efficient as the turbo blowers (70 to 78%), and are suitable for the Aerobic Digesters operating pressure – 9.7%. The high efficiency rotary screw blowers would help keep energy costs lower for the aerobic digesters – where both blowers will operate approximately 18 hours per day, 365 days per year. The operating pressure in the WHB’s, however, is relatively low – 5.5 psi. Rotary Screw Blower technology is not compatible with this pressure region. Positive Displacement (PD) blowers would satisfy the aeration needs in the WHBs, and provide backup service to the Aerobic Digester blowers should one fail or otherwise need to be taken out of service. The PD blowers in the WHBs will operate less frequently over time, but will have higher energy costs due to the low energy efficiency (55 – 65%).

After project award but prior to the submittal process, AE2S and Dick Anderson Construction (DAC) spoke about these blower packages. The opportunity to upgrade to the higher efficiency turbo blowers presented itself when DAC shared bid pricing from Inovair and Atlas Copco, lowest bidder for Blower Package 2. The cost difference between the two packages is \$46,742.15. In the interest of providing the City with the highest energy efficiency blowers, AE2S completed a basic Life-Cycle Cost Analysis comparison to see if investing in the turbo blower upgrade makes financial sense.

Life-Cycle Cost Analysis

The electricity cost savings between the two blower packages is approximately \$7,700 per year, using the following criteria:

Average cost of Electricity (Integrates Demand Charges (kW) with Utilization Charges (kWh))	\$0.13
WAS Holding Basin (WHB) Blowers	
Blower Discharge Flow	970 SCFM
Blower Discharge Pressure	5.5 PSIG
Blower Efficiency	
Rotary Lobe (isiWest)	60%
Integrally-Geared Turbo (Inovair)	78%
Average Runtime	1 Blower, 12 hours per Day
Estimated Annual Electricity Cost Savings at WHBs	\$3,805
Aerobic Digestion Blowers	
Blower Discharge Flow (Both Blowers in Operation)	1640 SCFM

Blower Discharge Pressure	9.7 PSIG
Blower Efficiency	
Rotary Screw (isiWest)	73%
Integrally-Geared Turbo (Inovair)	78%
Average Runtime	2 Blowers, 18 hours per Day
Estimated Annual Electricity Cost Savings at Aerobic Digesters	\$3,885
Estimated Total Annual Electricity Cost Savings	\$7,690

- Capital cost difference = \$46,742
- Annual operating/energy savings = \$7,690
- **Simple payback period = approximately 6.1 years**

Construction Budget Impacts vs. Operational Budget Impacts

- The additional cost for the integrally-geared turbo blowers would be paid for out of the project contingency, which is \$985,608. The first \$464,267 of the contingency is SRF loan at 2.5% with a 22-year term. The remaining portion of the contingency is USDA grant money, but the loan portion must be spent first according to USDA-RD rules and the funding agreements. Amortizing the \$46,742 difference over 22 years, the annual loan payment would be increased by approximately \$2,750.00 – including interest.
- Considering the annual estimated energy cost savings is \$7,690, the **annual net savings** of upgrading to turbo blowers **is \$4,940**.
- The simple payback period for this change is 6.1 years (\$46,742 difference divided by annual electricity cost savings of \$7,690).
- This change would help guard the City against potential future, unforeseeable increases in electricity costs.

Operational Benefits

- With integrally-geared turbo blowers, the City will have one blower technology for both WHB and Aerobic Digestion applications. Along with this comes efficiencies to O&M. By limiting the variety of make and model of blowers, operators will become more familiar with and quicker at completing the O&M routine. There are many advantages to this in terms of workplace satisfaction and labor efficiency, however putting a cost-benefit to this is very subjective.
- The integrally-geared turbo blowers would be provided in a stacked configuration (see enclosed drawing from Inovair). The manufacturer has verified that with this configuration either blower can be taken out of service (or fully removed from the stack) without disrupting operation of the other blower in the stack. The impact of this configuration on the layout of the room is shown conceptually in Figure 1, found on the following page. Most notable is the smaller equipment footprint. Inlet and outlet piping modifications will be coordinated through Inovair shop drawing submittals and Dick Anderson’s piping layout.
- Sales literature for both blower packages are enclosed.

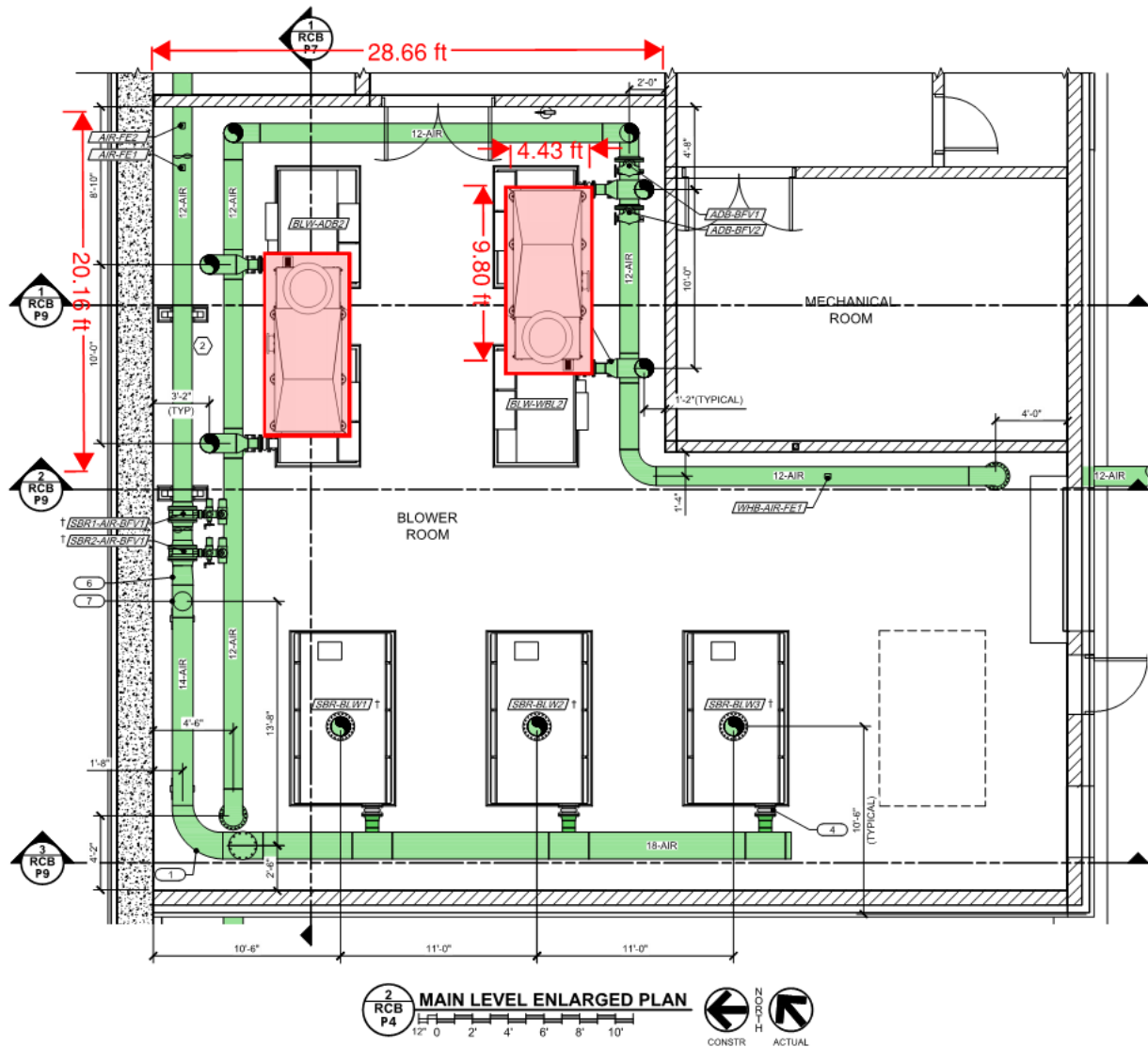
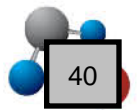


Figure 1 - Floor Plan Concept with Integrally Geared Turbo Blowers

If you have any questions about this request or PCO No. 1, please do not hesitate to call or e-mail: (o) 406-219-2633; (m) 406-570-5184; (e) scott.buecker@ae2s.com

Sincerely,

Scott Buecker, PE
Senior Project Manager



- Encl.: Spreadsheet with Energy Efficiency Calculations
Email from Dick Anderson Construction dated October 6, 2017.
Inovair Integrally-Geared Turbo Blower Brochure
Atlas-Copco Rotary Screw and Rotary Lobe Information
- C: Dan Emter, WRF Superintendent – City of Livingston
demter@livingstonmontana.org

City of Livingston WRF Upgrade

Comparison of Integrally Geared Turbo Blowers (Inovair) and Combination of Rotary Screw and Rotary Lobe Blowers (Atlas-Copco)

WAS Holding Basin Aeration Equipment					
Atlas Copco Rotary Lobe Blowers			Inovair Integrally Geared Turbo Blowers		
970	SCFM		970	SCFM	
5.5	PSI		5.5	PSI	
60%	Efficiency		78%	Efficiency	
39	Horsepower		30	Horsepower	
29	Kilowatts		22	Kilowatts	
12	Runtime	(hrs/day)	12	Runtime	(hrs/day)
\$ 0.13	cost/kWh		\$ 0.13	cost/kWh	
\$ 16,487			\$ 12,682		
Differential:	\$ 3,805	annually			
Aerobic Digestion Aeration Equipment					
Atlas Copco Rotary Screw Blowers			Inovair Integrally Geared Turbo Blowers		
1640	SCFM		1640	SCFM	
9.7	PSI		9.7	PSI	
73%	Efficiency		78%	Efficiency	
95	Horsepower		89	Horsepower	
71	Kilowatts		66	Kilowatts	
18	Runtime	(hrs/day)	18	Runtime	(hrs/day)
\$ 0.13	cost/kWh		\$ 0.13	cost/kWh	
\$ 60,608			\$ 56,723		
Differential:	\$ 3,885	annually			

		4.000%			
\$	246,722		\$	199,980	
1 \$	81,741	\$ 81,741	1 \$	87,094	\$ 87,094
2 \$	81,741	\$ 163,482	2 \$	87,094	\$ 174,187
3 \$	81,741	\$ 245,223	3 \$	87,094	\$ 261,281
4 \$	81,741	\$ 326,964	4 \$	87,094	\$ 348,374
5 \$	81,741	\$ 408,705	5 \$	87,094	\$ 435,468
6 \$	81,741	\$ 490,446	6 \$	87,094	\$ 522,561
7 \$	81,741	\$ 572,187	7 \$	87,094	\$ 609,655
8 \$	81,741	\$ 653,928	8 \$	87,094	\$ 696,748
9 \$	81,741	\$ 735,669	9 \$	87,094	\$ 783,842
10 \$	81,741	\$ 817,409	10 \$	87,094	\$ 870,936
11 \$	81,741	\$ 899,150	11 \$	87,094	\$ 958,029
12 \$	81,741	\$ 980,891	12 \$	87,094	\$ 1,045,123
13 \$	81,741	\$ 1,062,632	13 \$	87,094	\$ 1,132,216
14 \$	81,741	\$ 1,144,373	14 \$	87,094	\$ 1,219,310
15 \$	81,741	\$ 1,226,114	15 \$	87,094	\$ 1,306,403
16 \$	81,741	\$ 1,307,855	16 \$	87,094	\$ 1,393,497
17 \$	81,741	\$ 1,389,596	17 \$	87,094	\$ 1,480,590
18 \$	81,741	\$ 1,471,337	18 \$	87,094	\$ 1,567,684
19 \$	81,741	\$ 1,553,078	19 \$	87,094	\$ 1,654,778
20 \$	81,741	\$ 1,634,819	20 \$	87,094	\$ 1,741,871
	\$1,305,392.58			\$1,330,394.04	

HP =

$$\frac{\text{CFM} \times \text{PSI}}{229 \times \text{Efficiency of Fan}}$$

Inovair Cost:	\$ 246,000	
Atlas Copco Cost:	\$ 199,980	\$162,000
Total Difference	\$ 46,742	
Annual Electricity Savings	\$ 7,690	
Simple Payback Period	6.1 years	



October 18, 2017

AE2S
Attn: Scott Buecker, PE
1050 East Main Street, Suite 2
Bozeman, MT 59715

**RE: Blowers Upgrades
Livingston WRF Upgrade 2017**

Mr. Buecker,

This letter is in concerns to the Blower Upgrades that have been discussed. DAC is proposing an upgrade from Atlas Blower Package (ISI West) to Inovair Blower Package (Northwestern Power & Equipment). The upgrade would result in a Change Order amount of \$46,742.15. Attached is a breakdown in cost along with Inovair's proposal.

Thank you for time and consideration. Should you have any questions, please feel free to contact me at 406-551-0523.

Sincerely,

Kyle Kastelitz
Project Manager
Dick Anderson Construction

Project: Livingston MT
Quote No: 328434 - Revised

Date: 10-16-17

Specification: Inovair Standard Design

Four (4) single-stage IM series centrifugal turbo blowers, accessories, and controls with variable frequency drive (VFD) for variable output capacity control. Two designed for a capacity of 600-970 SCFM at 5.54 PSIG discharge pressure (50HP) and two designed to deliver 820-900 SCFM at 9.66 PSIG (60HP). Each unit is equipped with automatic temperature compensation and automatic speed adjustment for varying liquid levels.

Major Skid Components:

Inovair turbo blower with integral speed increasing gearbox and oil reservoir
50/60 HP TEFC high efficiency electric motor,
460v/60hz/3ph suitable for VFD drive
Structural steel base
Oil lube system with mechanical pump, oil filter, and
air-to-oil cooler, initial oil fill
Skid mounted instruments
Blow-off (bypass) valve, servo-actuated
Vibration isolation pads
Integral inlet filter

Shipped Loose Components:

Master Control panel
Discharge check valves – 8 inches
Variable Frequency Drive – 50/60 HP/460VAC/3PH
8" Manual Butterfly Valves
8" Discharge EPDM Expansion Joints

Spare oil filters and oil
One spare intake air filter – Washable
One spare cabinet air filter - Washable

Instruments Include:

Inlet mass air flow transmitter
Inlet pressure transducer
Inlet filter differential pressure switch
Oil temperature sensor
Low oil pressure switch
Oil pressure gauge
Discharge pressure gauge
Discharge pressure transducer

Control Panel:

Each blower unit will come with a NEMA 4 Local control panel that will communicate with the Allen Bradley MicroLogix PLC in the MCP. Panel door mounted items include operator interface monitor (HMI). The power for the LCP will be pulled from a branch of the incoming 480 power.

Paint:

Manufacturer's standard powder coat finish.

Start-up Service:

2 days start-up and operator training is included plus one day follow up visit within one year. Additional service is available at \$1,500 per day plus travel and living expenses billed at cost, plus 10%. Advance notification of 10 working days is required for scheduling.

Factory Test (Non-witnessed):

Factory Performance Test – air-end/gearbox
Functional Control Panel System Test
Mechanical Run Test
Motor Routine Test

Drawings and Shipment:

Standard submittal for information only will be in 3 weeks after acceptance of the order by Inovair. If required additional submittal information to Inovair standards will follow within a reasonable time. Delivery is estimated to be 14-16 weeks after order acceptance by Inovair.

Payment Terms: Terms are 20% upon receipt of approved submittal, 70% to be paid Net 30 days after invoice date, with the remaining 10% Net 60 days after invoice date, or 30 days after start-up, whichever occurs sooner. Payment shall not be dependent on the Contractor or Manufacturer's Representative being paid by any third parties. Under no circumstances will payment be dependent on acceptance of the equipment by the Owner.

Items Not Included:

Installation, anchor bolts, interconnecting pipe, fittings, bolts, nuts, gaskets, wiring, electrical line/load filters or reactors, valves, oil and lubricants, or any other items not specifically listed.

Optional Items-Included in Quote:

Qty (4) 5yr Warranty
Qty (4) Endustra External Filter
Qty (4) Thermistors on motors
Qty (4) Discharge Temperature gauge

Price: \$239,634.00, F.O.B. factory, freight to jobsite included (off loading by others)

Terms are 20% upon receipt of approved submittal, 70% to be paid Net 30 days after invoice date, with the remaining 10% Net 60 days after invoice date, or 30 days after start-up, whichever occurs sooner.

This proposal is firm for 90 days.

Quoted by:

Kent C Price
NWPE
307-749-6814
e-mail: kprice@nwpeco.com

Warranty:

Inovair turbo blower and accompanying manufactured components are warranted to be free from defects in materials and workmanship for a period of twenty four (24) months, commencing at the time the blower system is placed into service, but in no event are these manufactured components to be warranted for longer than thirty (30) months from date of shipment. Electrical and other purchased components (supplied by other manufacturers) are warranted in accordance to those stated warranty policies, and are not eligible under this warranty.

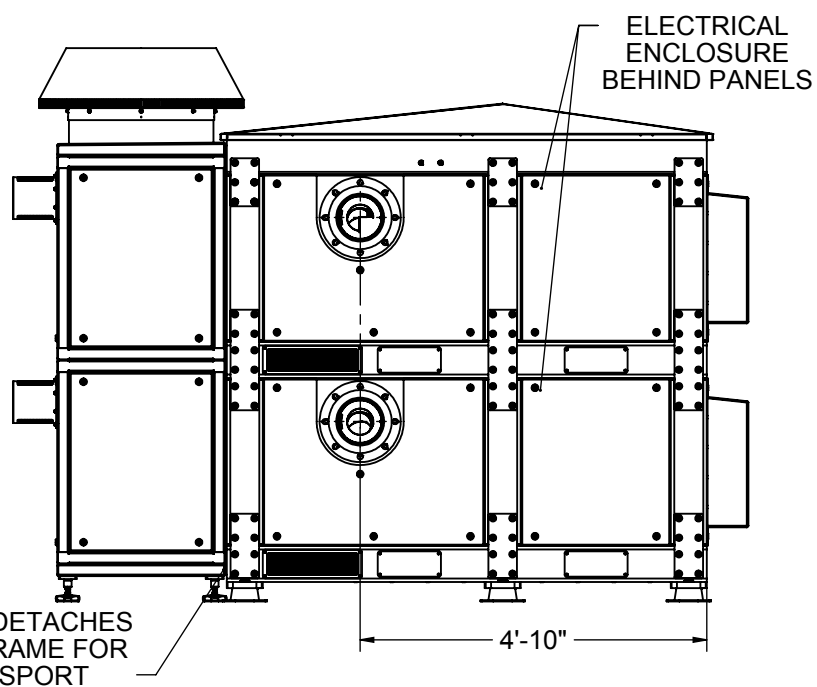
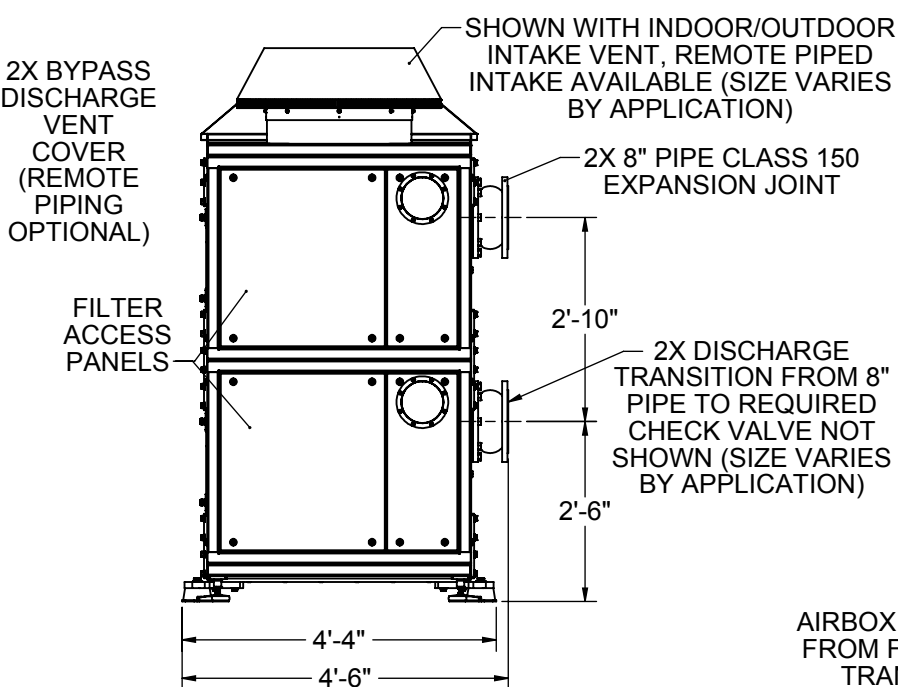
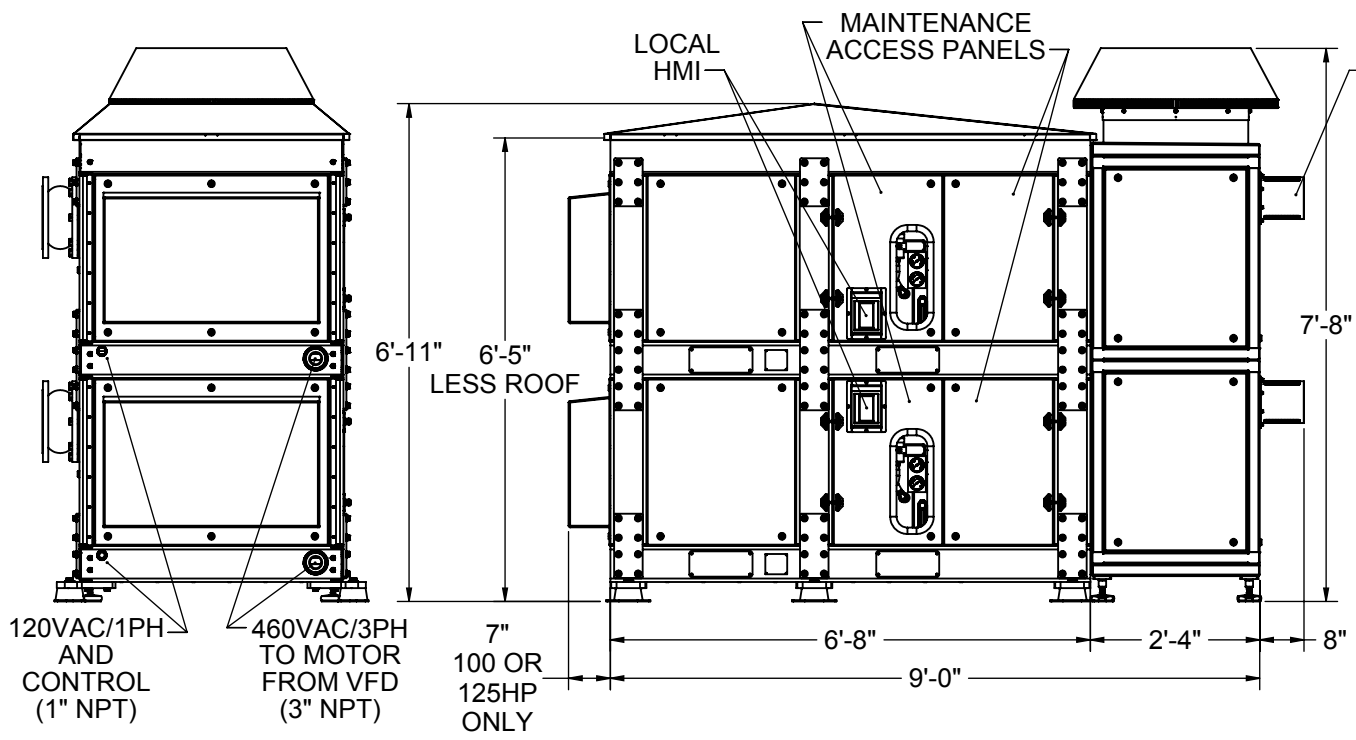
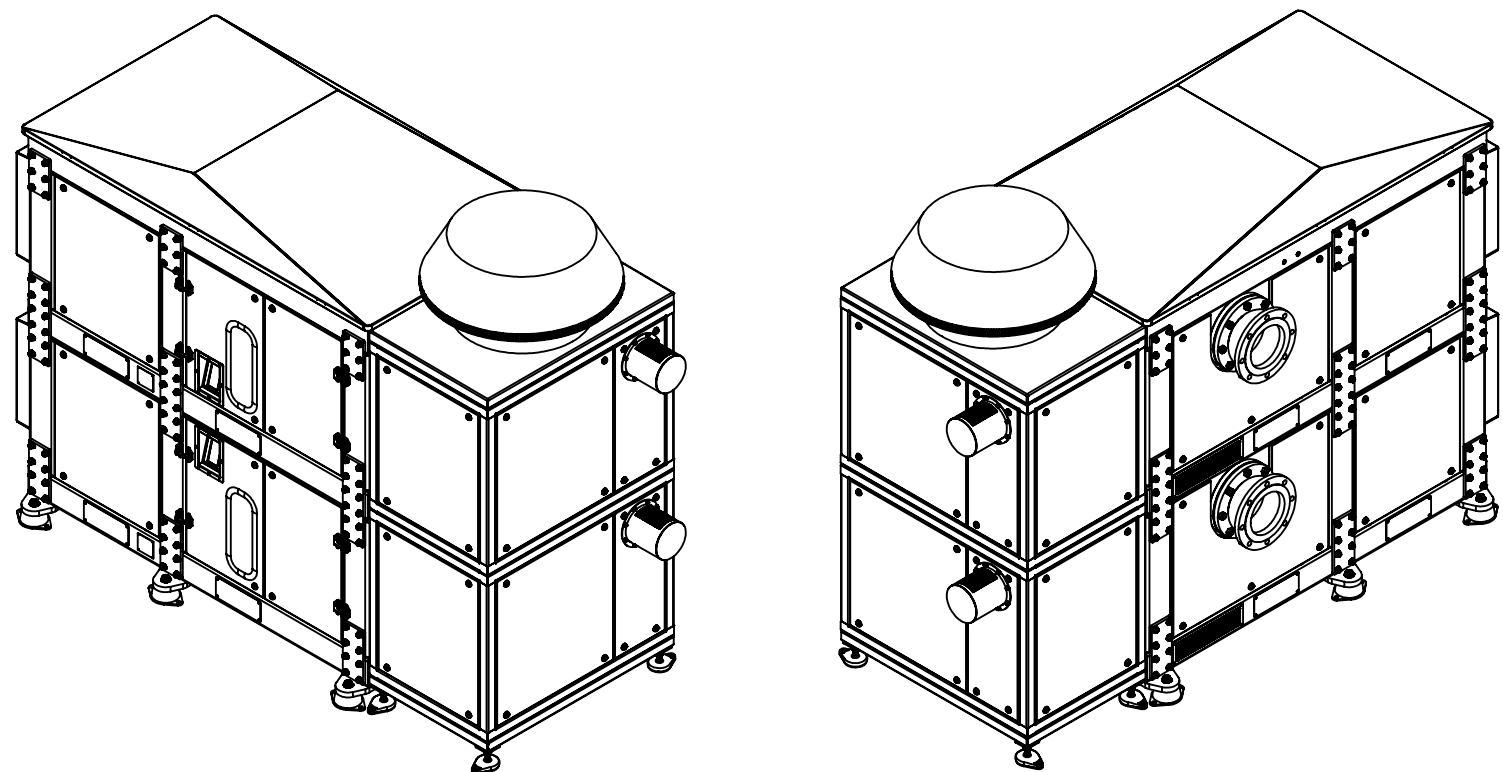
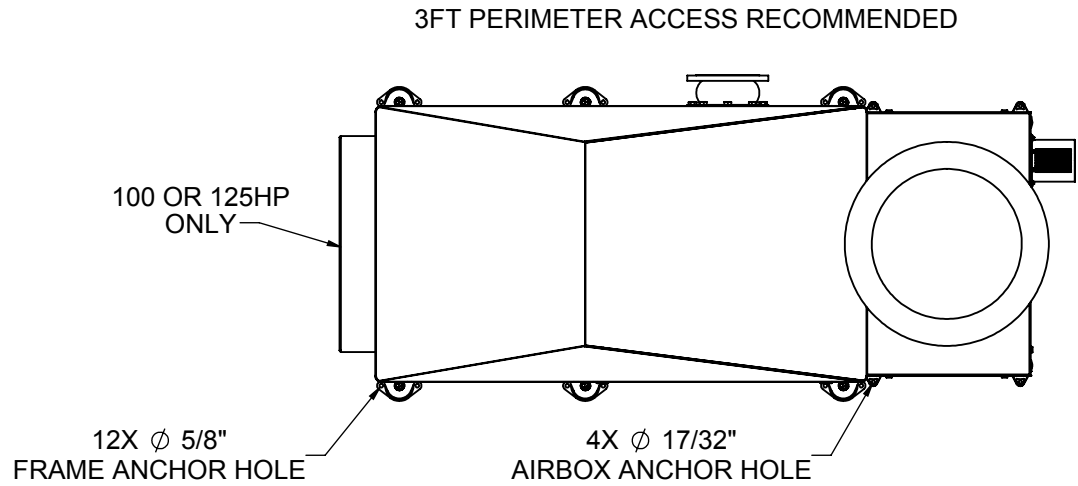
The replacement or repair of parts normally consumed in service such as oil, grease, belts, etc. is considered part of routine maintenance and upkeep and such parts are not eligible for repair or exchange free of charge under this warranty.

During the warranty period, if any warranted part is defective or fails to perform as specified when operating at design conditions and if the blower system has been environmentally and physically protected prior to start-up and has been installed, operated and maintained all in accordance with the written instructions provided, exchange free of charge a replacement for such defective part. Defective parts must be returned by the owner postage paid. This limited warranty coverage is extended only to the original owner. IF THE BLOWER DRIVE RATIO IS ALTERED IN ANY WAY WITHOUT FACTORY APPROVAL, WARRANTY COVERAGE IS VOID. USE OF ANY PULLEY NOT MANUFACTURED OR SUPPLIED BY BLOWER MANUFACTURER VOIDS ALL WARRANTY COVERAGE. Disassembly of blower or removal of the blower serial plate voids all warranties. Claims for freight damages should be directed to the freight company.

NO OTHER WARRANTY EXPRESSED OR IMPLIED and SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTY AS TO THE MERCHANTABILITY OF THE BLOWER SYSTEM OR AS TO ITS FITNESS FOR ANY PARTICULAR PURPOSE. Blower manufacturer is not responsible for consequential or incidental damages of any nature resulting from such things as, but not limited to, defects in design, material, workmanship, or delays in delivery of blower, availability of replacements or repairs.

The waiver or abridgement of any single provision or group of provisions, either by ruling or agreement, shall not be construed to alter or void any other provisions of this warranty.

REVISIONS				
REV.	DESCRIPTION	ECO	DATE	BY
C	UPDATED PERIMETER ACCESS NOTE	---	9/21/20	J
D	SHORTENED MAIN FRAME 1FT	---	4/12/2017	RLJ



- NOTES:
- FOR INITIAL SALES/PLANNING PURPOSES ONLY
 - DETAILED LAYOUT TO BE PROVIDED WITH SUBMITTAL
 - 460VAC/3PH WIRING FROM VFD TO MOTOR IS REQUIRED TO BE EITHER SEPARATE CONDUITS OR SHIELDED CABLE IF COMBINED
 - 120VAC/1PH AND CONTROL MAY BE COMBINED

PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ACCESSIBLE TECHNOLOGIES. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ACCESSIBLE TECHNOLOGIES IS PROHIBITED.	ALL UNITS ARE INCHES UNLESS OTHERWISE SPECIFIED TOLERANCES UNLESS OTHERWISE SPECIFIED: 1 PLACE DECIMAL ±0.060 2 PLACE DECIMAL ±0.040 3 PLACE DECIMAL ±0.020 FRACTIONAL < 1" ±1/32 FRACTIONAL ≥ 1" ±1/16 ANGULAR ±°0.5	DWG. SIZE: B		Accessible Technologies 14801 W 114th Terr. Lenexa, KS 66215 PH: 913-338-2886 FAX: 913-338-2879
	DESCRIPTION: IM SERIES 60-125HP STACKED UNITS		PART #: IM SERIES STACKED SALES LAYOUT FINISH: MATERIAL:	
	ENGINEER: RLJ SCALE: 1:32	CHECKED: -- DATE: 3/24/2016	DRAWN: RLJ SHEET 1 OF 1	REV: D

inovair[®]

Integrally Geared Turbo Blowers

IM SERIES 40-250 HP

The Inovair IM Series is the industry's first truly modular blower design. Offering industry leading efficiency and turndown, modules can be deployed as single units or in a stacked configuration. Many wastewater treatment plants suffer from an inability to optimally regulate flow, causing them to over-aerate or blow-off excess air. Both of these negatively impact energy consumption. The IM Series solves this problem through modularity without burdening the overall blower footprint. IM stacked units provide up to 4:1 turndown to provide an operational range previously unattainable by other technologies.

- DIRECT COUPLE DRIVE SYSTEM FOR MAXIMUM EFFICIENCY
 - INDUSTRY LEADING TURNDOWN
 - LESS THAN 85 dBA WITH OPTIONAL ENCLOSURE
 - EXTREMELY DURABLE DESIGN
-
- TOUCHSCREEN INTERFACE
 - LOW COST OF OWNERSHIP
 - CUSTOMIZABLE CONFIGURATION
 - LOW/ANNUAL MAINTENANCE



IM SERIES FEATURES

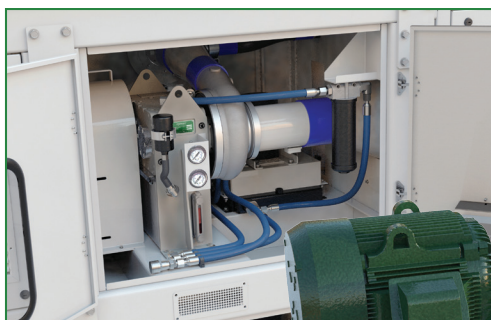
- Energy Efficient (~80% isentropic)
- Proven Integrally-geared Design
- Industry Standard Components
- Compact Design
- Maintenance-friendly
- Engineered and Built in the USA
- Handles fluctuating pressures
- Capable of multiple start/stop cycles every hour
- Reduction in capital costs for stand-by units

TECHNICAL SPECS

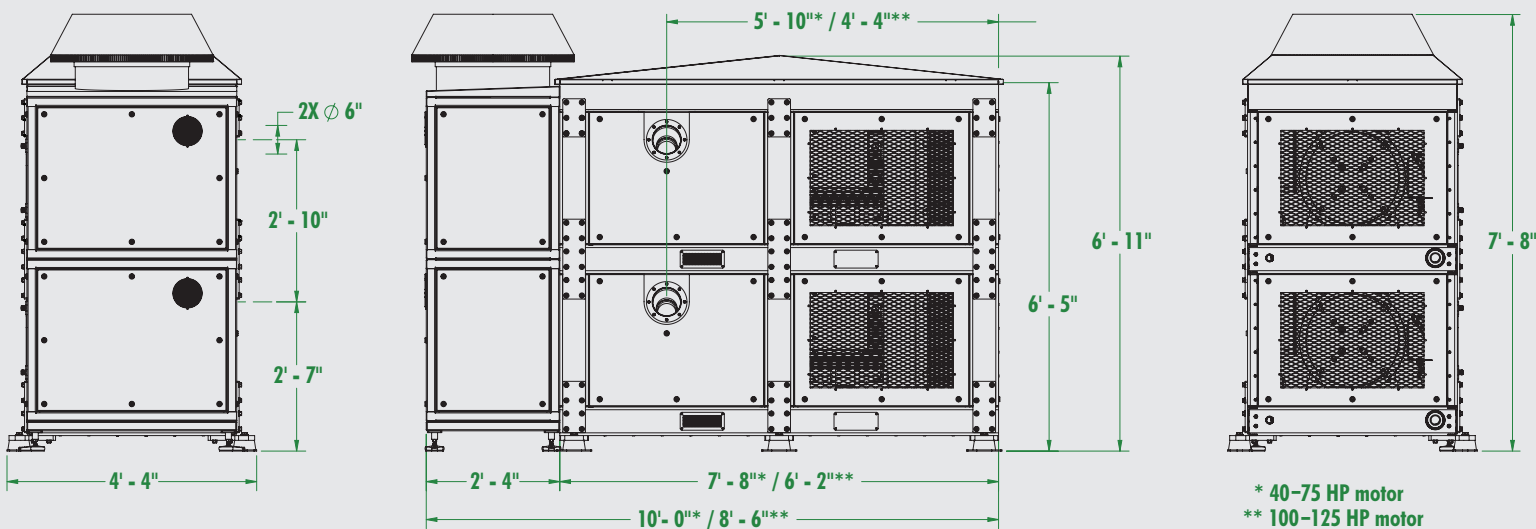
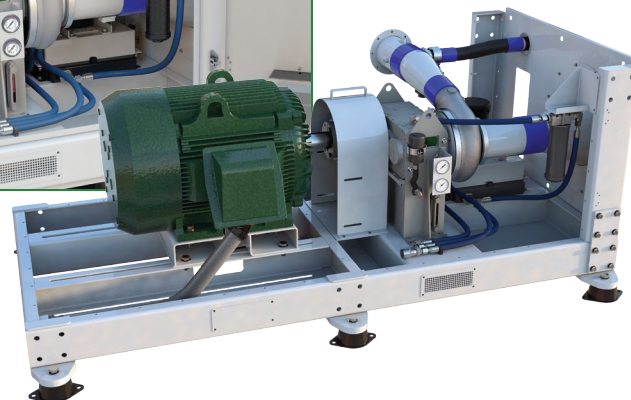
Flow Capacity:	300–4000 scfm
Design Pressure:	4–22 psig
Turndown Ratio:	Up to 4:1 (2:1 per module)
Motor Power:	40–250 HP (1800/3600 RPM)
Drive:	Standard VFD
Input Power:	230V–575V, 60 Hz
Impeller:	5-axis machined 7075-T6 Aluminum
Control System:	Integrated Touchscreen PLC

INOVAIR ADVANTAGES

- Industry-first modular blower design
- Up to 4:1 capacity turndown
- Greater process flexibility
- Up to 50% space savings
- Industry-standard components
- Low Noise (75-85 dBA)
- Available as stacked units, a single unit and/or without frame and enclosure



Also available without enclosure



Atlas Copco

Rotary lobe blower packages



ZL 100 - 10000 series

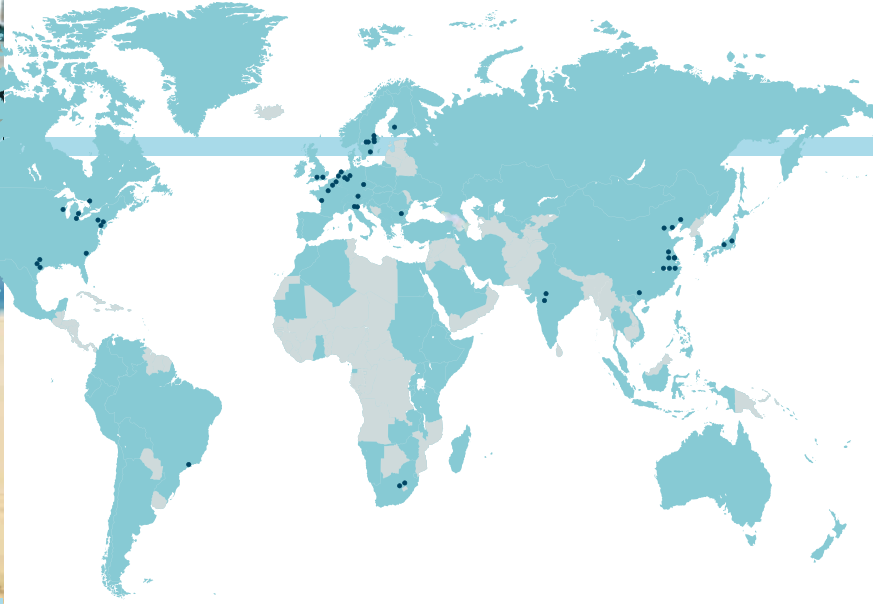
1.5 - 250 kW



Atlas Copco



- Countries covered by Atlas Copco Customers Centers
- Production sites



Atlas Copco has been setting the industry standard in compressed air technology for more than a century. An on-going interaction with our customers, a passion to bring true innovations that increase their productivity, and the commitment to create more value for them, have earned us the market leadership.

Our dedication to offer the best products and services is not limited to Plant Air solutions, but extends to Low Pressure Air applications, meeting the exact needs of the specific process. Around the clock and around the globe, the ZL blower series is proving to be a trusted partner for the low pressure air process.



Reliable, quality air



Whether it is for pneumatic conveying of granulates or powders, liquid homogenizing, aeration and filter flushing in water treatment plants, air supply to furnaces, drying of yarn or process air in chemical plants, the ZL series offers reliable, uninterrupted operation around the clock.

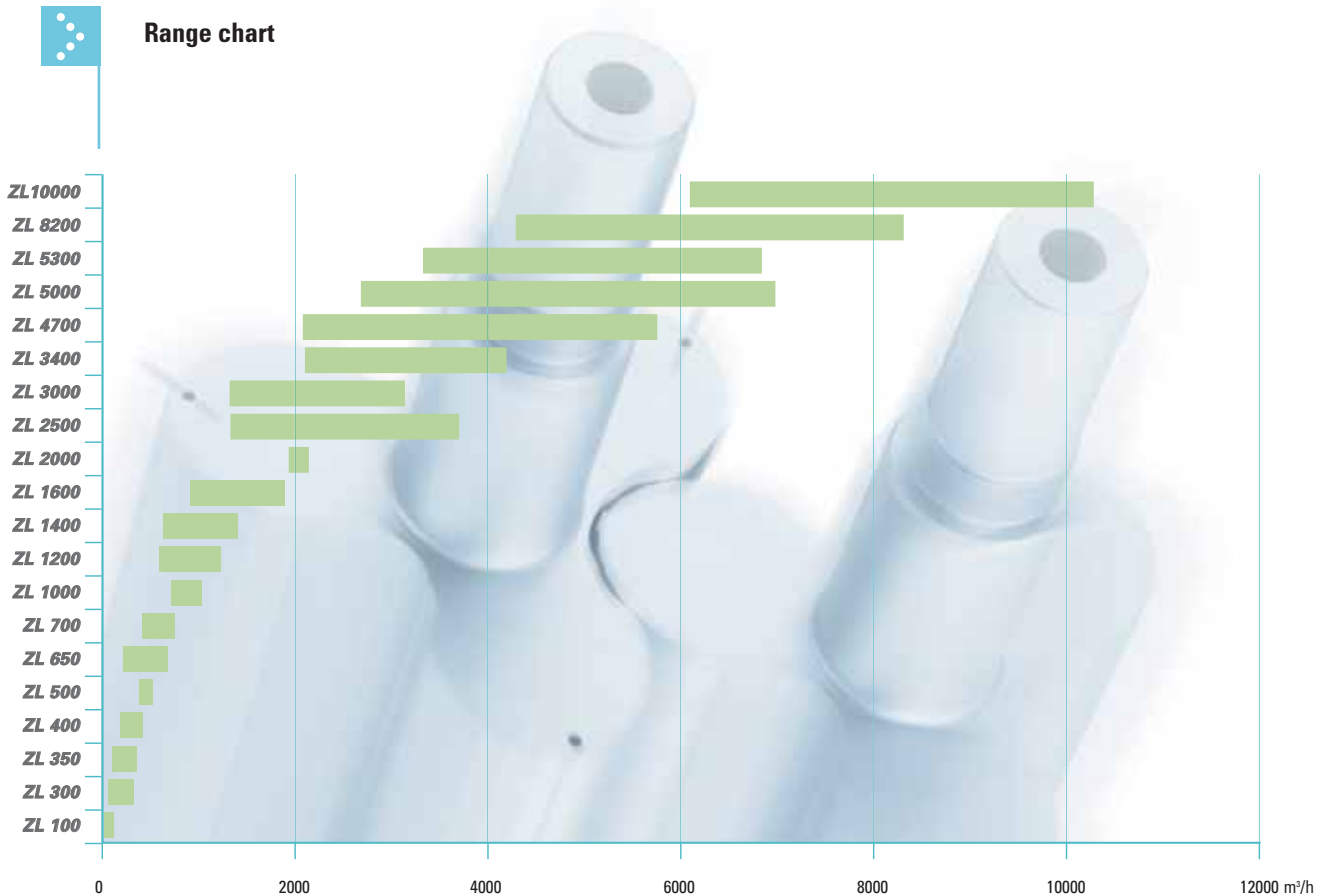
Complete range

The ZL range consists of 20 sizes for intake volumes of 100 to over 10000 m³/h, at pressures of up to 1000 mbar, depending on the blower size.

The Atlas Copco ZL is a low noise, low vibration and low pulsation blower that comes in a complete, ready-to-run package. Because of the total separation of element and oil system, the ZL blower delivers top quality oil-free air; the risk of product contamination or environmental pollution is non-existent by design.

The tri-lobe concept and the pre-filling canals ensure low pulsation air, a prolonged lifetime of rotating components, reduced noise and vibration levels and improved energy efficiency.

Range chart



Rational design for superior performance



Ruggedized filter/inlet
for reduced vibrations



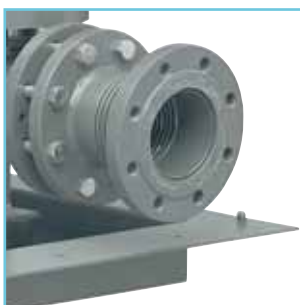
Suitable for harsh
environments



IP55 electric motor
compact design for space savings



Start-up & pressure relief valve
reliable and simple



Flanged outlet
for simplified piping connection



Check valve
for easy field installation



Automatic belt tensioner
for longer belt lifetime and
reduced maintenance



Vibro-isolating mounts
for low vibration and quieter operation



Integral outlet silencer
for dampening of pressure pulsations



Complete package

The Atlas Copco ZL blower comes as a fully equipped machine. There are no hidden extras or costly additions.

Standard version

- ❖ IP55 electric motor
- ❖ inlet and outlet silencers
- ❖ inlet filter
- ❖ pressure relief valve (ZL 100 - 700)
- ❖ start valve / pressure relief valve (ZL 1000 - 10000)
- ❖ outlet flange compensator
- ❖ outlet check valve
- ❖ automatic belt tensioner
- ❖ filter change indicator
- ❖ discharge pressure gauge
- ❖ low vibration and quieter operation belt-drive cover
- ❖ package vibration isolators

Options

- ❖ sound insulated enclosure with canopy ventilation
- ❖ fitted with Full Option motor
- ❖ no motor
- ❖ belt guard (models with canopy)
- ❖ oil fill

Trusted technology

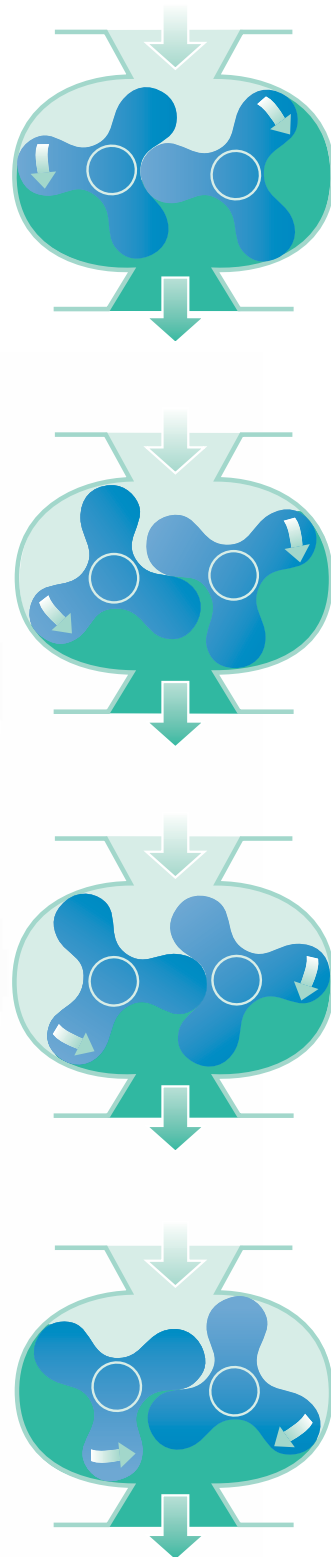
In the ZL blower element, two tri-lobed rotors turn inside an oval-shaped casing. The motor transmits its power to the driving lobe, which in turn drives the driven lobe via timing gears. Hence, both rotors turn at the same speed, in opposite directions.

The rotors maintain a high precision clearance between each other and the wall of the casing. As a result, no internal lubrication is required and air remains 100% oil-free.

Compression principle

As the rotors turn, air is drawn into the blower when the lobe end of each rotor passes the suction port. The air is caught between two rotor tips and the casing; as the rotors continue their revolution, this volume is transferred from the suction side to the discharge side. With each turn, six of these enclosed volumes are displaced.

The ZL series delivers an almost constant flow rate, independent of the discharge pressure conditions. The flow rate is proportional to the operating speed.



Tri-lobe advantages

Pulsation-free air

Traditionally, positive displacement blowers were designed around two-lobe rotors. The ZL series is based on tri-lobe rotors, which offer superior energy efficiency and a significantly smoother flow.

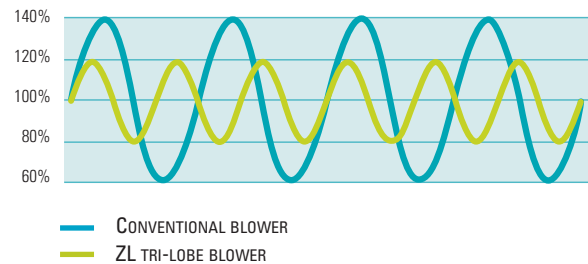
For further reduction of pressure pulsations, special canals have been milled in the blower casing, to pre-fill the reverse chamber. This design prolongs the lifetime of the flexible elements of aerating systems, but also protects conveyor systems against undesirable pulsations. Inside the blower, the reduction in pulsations has many advantages as well: less vibrations are transmitted to the bearings, increasing bearing lifetime.

Low noise

The innovative design of the element, with its pre-filling canals, decreases noise levels substantially.



DISCHARGE PRESSURE



An additional advantage of this design is that the sound waves produced by the pre-filling cancel out much of the noise produced by the blower, resulting in an overall reduction of the noise level.



Inlet silencer

Pulsation noises are better contained within the rugged designed blower silencer.



Superior element design

Precisely balanced tri-lobe rotor with pre-filling canals, for lowest air pulsations, a long bearing lifetime, less vibrations and lower noise



Integral outlet silencer

Dampening of pressure pulsations are made via the purpose designed outlet silencer.

OIL-FREE POSITIVE DISPLACEMENT SCREW BLOWERS

ZS 18-315 (18-315 kW / 24-422 hp)

ZS 18-355 VSD (18-355 kW / 24-475 hp)



Atlas Copco



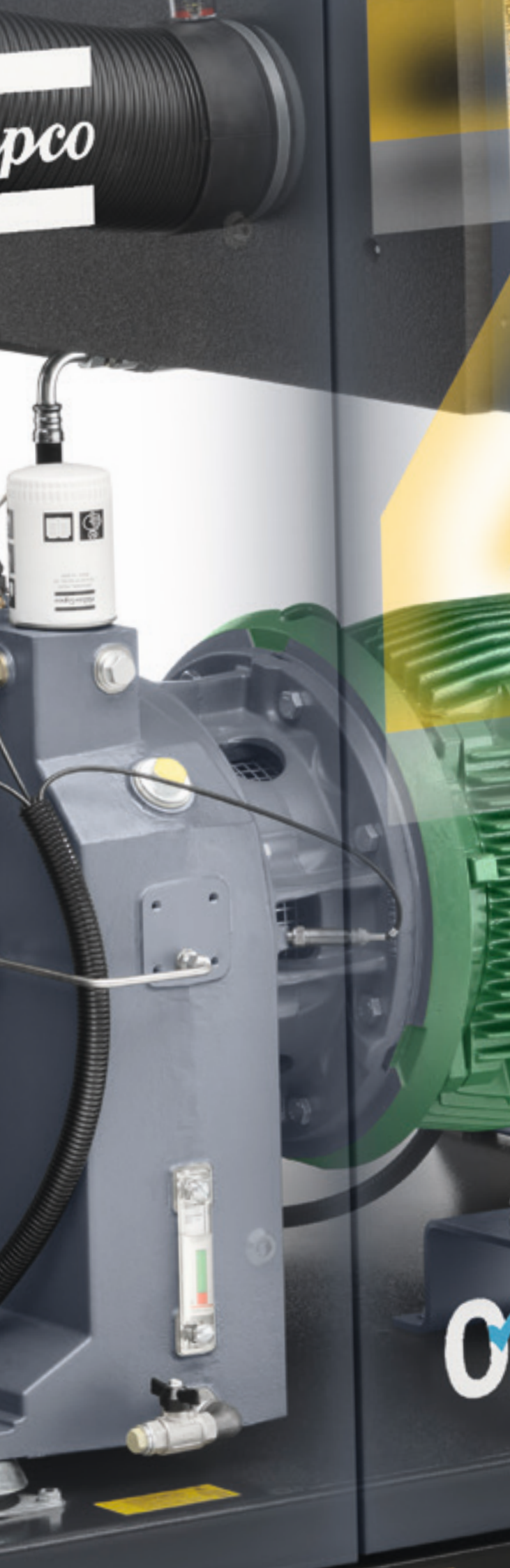


The control panel features a color LCD screen displaying 'Compressor Control' with a pressure gauge showing 1.2 bar and a digital readout of 121.6. Below the screen are several touch-sensitive icons. A prominent yellow and red emergency stop button is located below the screen. The background of the panel has a repeating pattern of the website 'www.atlascopco.com'.

ZS 75 VSD

PROVEN TECHNOLOGY IN A LEADING DESIGN

Low pressure compressed air is the backbone of many production processes. The ZS is the latest addition to Atlas Copco's air blowing solutions, manufactured to the highest standards of quality and reliability.



Keeping your process up and running

A reliable supply of compressed air is critical to ensure process continuity. Incorporating Atlas Copco's proven screw technology and long standing internal engineering practices, the ZS guarantees exceptional reliability. Designed, manufactured and tested in accordance with ISO 9001 certification, the unique ZS stands for uninterrupted production.

Driving down energy costs

Energy costs can amount to 80% of the Life Cycle Costs of a blower. The ZS range reduces energy costs by an average of 30% when compared to lobe technology. The integrated Variable Speed Drive (VSD) technology offers extra energy savings by automatically tuning the compressed air flow precisely to the air demand.

Easy installation

Delivered ready for use, ZS+ VSD blowers come as all-in-one packages including a PLC based Elektronikon® controller, integrated converter, forklift slots, check valve, air filter, blow-off valve and silencer. The complete scope of supply eliminates the need for extras and reduces installation to an absolute minimum, saving you time and money.

Protecting your reputation and production

In virtually any application, oil contamination of the air supply causes serious productivity issues and increases costs. As the first manufacturer to receive ISO 8573-1 CLASS 0 (2010) certification for its oil-free air blowers, Atlas Copco has set a new standard in air purity. Focusing on the protection of critical applications as well as today's increasing quality demands, Atlas Copco offers TÜV-certified 100% oil-free air.

Assuring your peace of mind

Through continuous investment in our competent, committed and efficient service organization, Atlas Copco ensures superior customer value by maximizing productivity. With a presence in over 170 countries, we offer professional and timely service through interaction and involvement. Uptime is guaranteed by dedicated technicians and 24/7 availability.



A COMPLETE PACKAGE FOR ALL YOUR APPLICATIONS

Built to ensure complete product safety, ZS blowers guarantee a continuous, highly reliable, energy-efficient and 100% oil-free air supply for years on end in all your applications at the lowest possible cost.



Wastewater treatment

- Lowest aeration blower energy cost, representing 70% of the total operational cost.
- Low downtime and low maintenance cost thanks to innovative screw blower technology.
- Very wide flow and pressure operational range.

Pneumatic conveying – dilute phase

- Lowest energy cost, representing up to 80% of the blower life cycle cost.
- Low downtime and low maintenance cost thanks to innovative screw blower technology.

Fermentation

- Lowest energy cost, representing up to 80% of the blower life cycle cost.
- Low downtime and low maintenance cost thanks to innovative screw blower technology.
- Very wide flow and pressure operational range.

Non-woven textile

- Adjustable flow in order to influence fiber characteristics.
- Energy-efficient blowers to come to the lowest operational cost of this 24/7 continuous process.
- Point-of-use installation without noise-preventing measures.

CLASS 0: THE INDUSTRY STANDARD

Oil-free air is used in all kinds of industries where air quality is paramount for the end product and production process. These applications include food and beverage processing, pharmaceutical manufacturing and packaging, chemical and petrochemical processing, semiconductor and electronics manufacturing, the medical sector, automotive paint spraying, textile manufacturing and many more. In these critical environments, contamination by even the smallest quantities of oil can result in costly production downtime and product spoilage.

First in oil-free air technology

Over the past sixty years Atlas Copco has pioneered the development of oil-free air technology, resulting in a range of air compressors and blowers that provide 100% pure, clean air. Through continuous research and development, Atlas Copco achieved a new milestone, setting the standard for air purity as the first manufacturer to be awarded ISO 8573-1 CLASS 0 certification.

Eliminating any risk

As the industry leader committed to meeting the needs of the most demanding customers, Atlas Copco requested the renowned TÜV institute to type-test its range of oil-free compressors and blowers. Using the most rigorous testing methodologies available, all possible oil forms were measured across a range of temperatures and pressures. The TÜV found no traces of oil at all in the output air stream. Thus Atlas Copco is not only the first compressor and blower manufacturer to receive CLASS 0 certification, but also exceeds ISO 8573-1 CLASS 0 specifications.

CLASS	Concentration total oil (aerosol, liquid, vapor) mg/m ³
0	As specified by the equipment user or supplier and more stringent than class 1
1	< 0.01
2	< 0.1
3	< 1
4	< 5

Current ISO 8573-1 (2010) classes (the five main classes and the associated maximum concentration in total oil content).

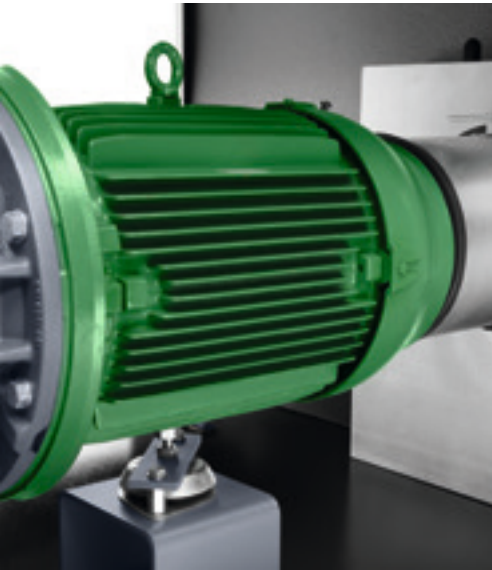


ON AVERAGE 30% ENERGY SAVINGS WITH ZS SCREW BLOWERS OVER CONVENTIONAL LOBE BLOWERS

1

Gearbox

- Compared to lobe technology, screw technology does not require belt and pulley replacement.
- Reduced maintenance costs and increased uptime.



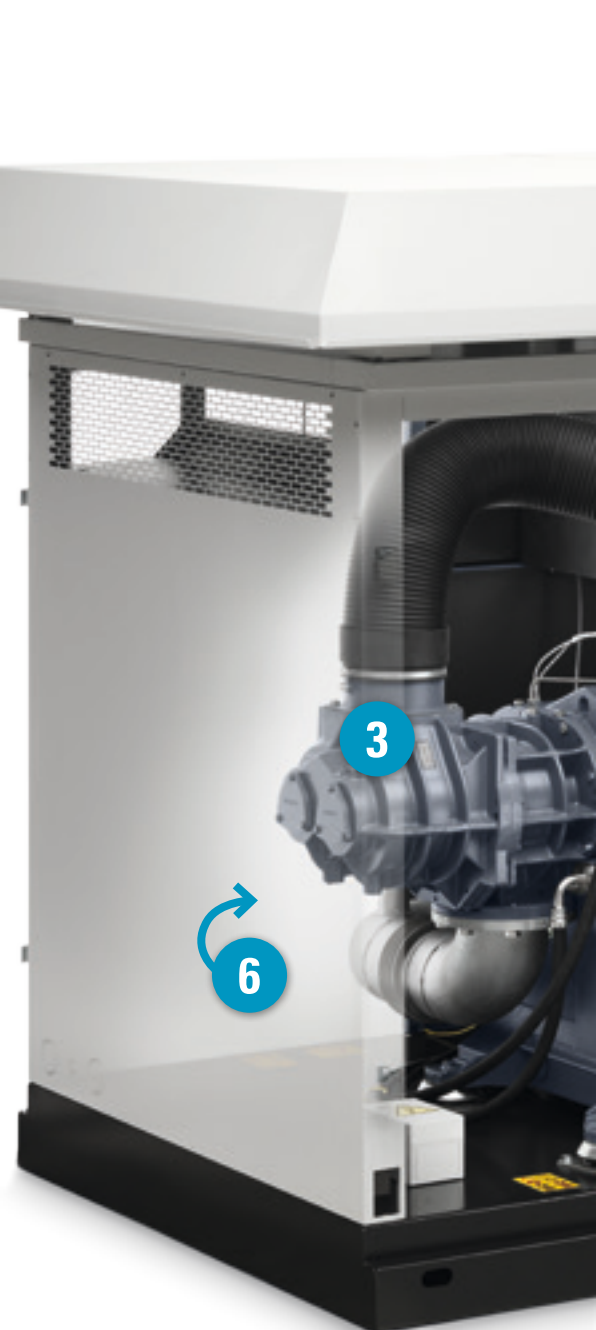
2

TEFC high-efficiency IE3/NEMA

Even in dusty and humid environments, the TEFC high-efficiency IE3/NEMA premium motor offers assured operation.

3

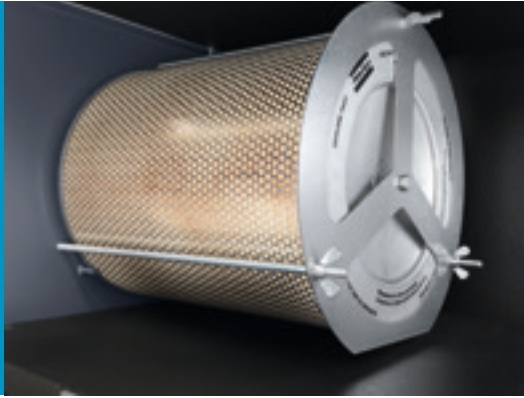
6



3

State-of-the-art oil-free screw element

- Incorporating acclaimed screw technology, years of experience and innovation.
- Precision timing gears for proven reliability, safe operation and increased uptime.
- Industry proven element coating for closer tolerances and increased lifetime.



4

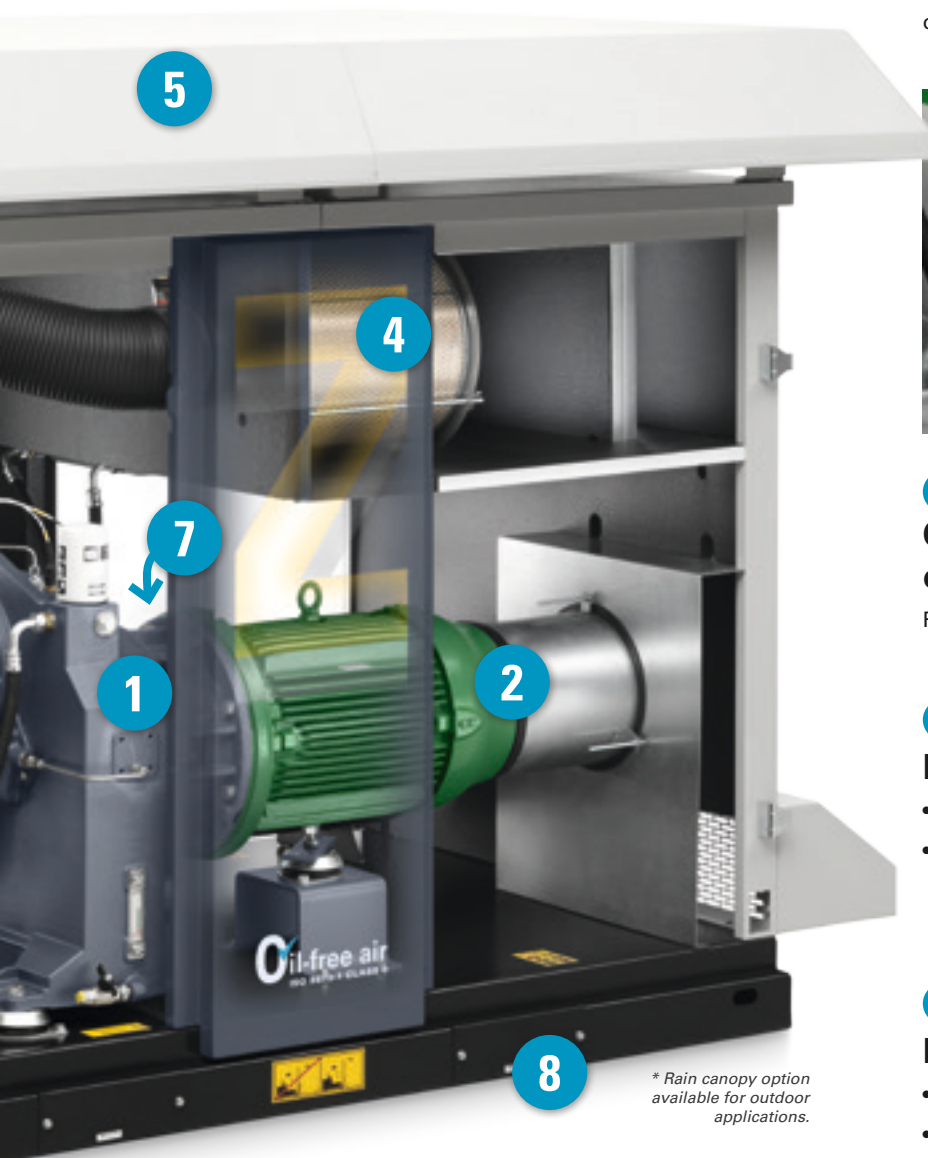
Air inlet filter

The lifetime of the blower is increased by filtering particles up to 3μ at a performance of 99.9%.

5

Rain canopy option

Optional rain canopy available for outdoor applications.



6

Check valve & pilot operated valve

Reliable, safe and broad operation area.

7

Discharge pulsation damper

- Eliminating the need for external silencer.
- Without damping material suitable for sensitive applications (e.g. food & beverage industry, pharma, pneumatic conveying, etc.)

8

Base frame with forklift slots

- Simple, time-saving installation.
- Reduced start-up costs.

9

ZS Interface-Box (ZS-IB)*

- Safeguards your investment.
- Ensures maximum machine safety and easy networking.
- Facilitates quick and smooth commissioning.
- Monitors all parameters to ensure maximum reliability for your blower installation.

* For versions without electrical cabinet.



INCREASE YOUR SAVINGS WITH THE INTEGRATED VARIABLE SPEED DRIVE SYSTEM

1

Dedicated variable speed motor

- With very wide speed range to meet flexible air demand.
- With bearing current protection and optimized motor cooling at lower speeds.



2

Electrical cubicle with integrated VSD converter

- Proven design integrating all required electrical components for optimum reliability (EMC filter, Variable frequency drive, RFI filter, Elektronikon® controller).
- Reduced installation and start-up cost thanks to complete integration.

2

3

6



5

Oil system

Longer lifetime of bearings and gears due to lower oil temperature which is achieved by optimum oil system design including an integrated oil pump*, oil cooler and filter.

** Included for certain ranges (please contact your local sales representative for more info).*

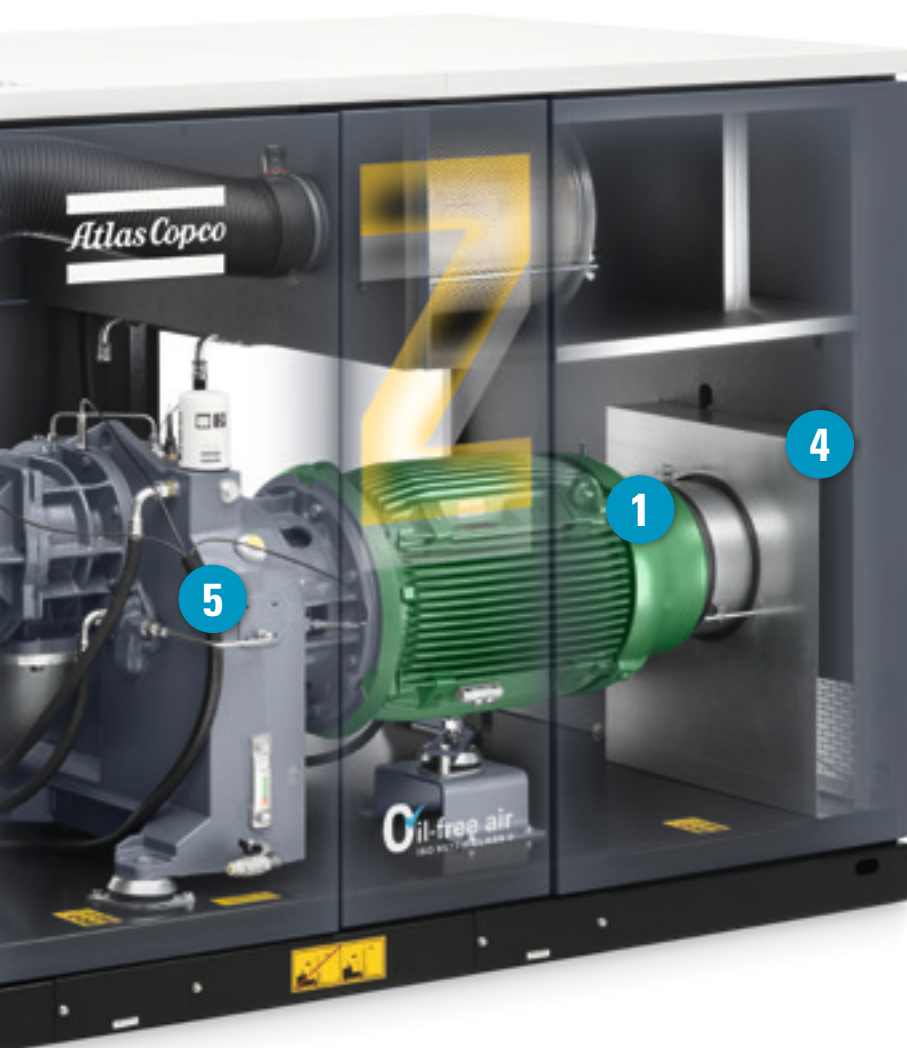




3

Elektronikon® controller

- To ensure maximum machine safety and easy networking, the Elektronikon® system controls both the blower and the integrated converter.
- Monitoring of all parameters to ensure maximum reliability for your blower installation.



4

Noise enclosure with internal baffling

- Intelligent internal baffling design coupled with totally enclosed canopy providing reduced sound levels to 72 dB(A) for an improved working environment.
- Reduced installation costs as there is no need for noise insulated rooms and doors.

6

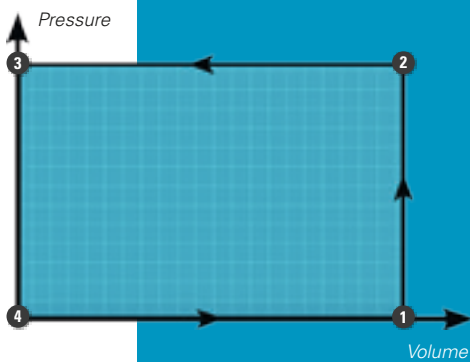
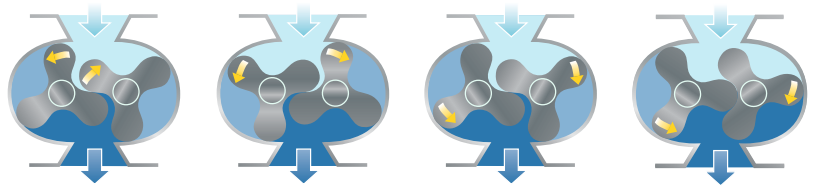
Continuous SPM (Shock Pulse Measurement) monitoring

- System of the blower element & motor bearings.
- The sensors are connected to the Elektronikon® which is showing the individual vibration levels.
- Alarm and/or shutdown levels can be programmed during commissioning.
- Option.



MINIMIZE ENERGY COSTS WITH THE ZS SCREW BLOWER

The ZS screw blower was developed in Atlas Copco's drive for innovation and its commitment to sustainable technology, and is on average 30% more energy efficient compared to a traditional 'Roots' type lobe blower.

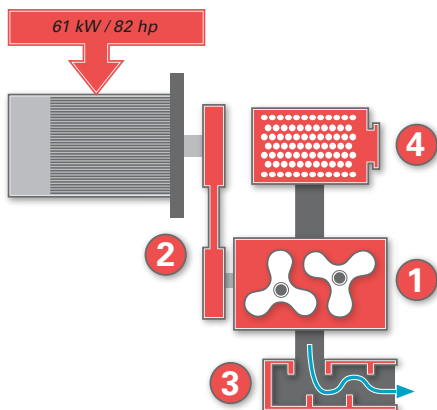
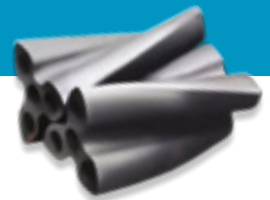


Energy losses by lobe technology

- 4→1: Suction.** Air enters the compression chamber. The air volume remains constant while the lobe rotors turn.
- 1→2: External compression.** The air is compressed externally due to back-pressure of the connected pipeline.
- 2→3: Discharge.** Air is pushed out into the pipeline.

As shown in the Pressure/Volume diagram, the compression work is represented by the blue area and is proportional to the energy consumed.

○ Thermodynamic energy consumption



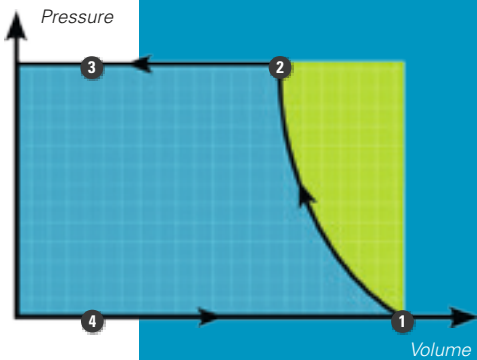
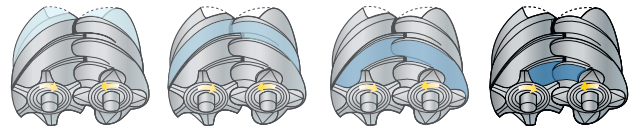
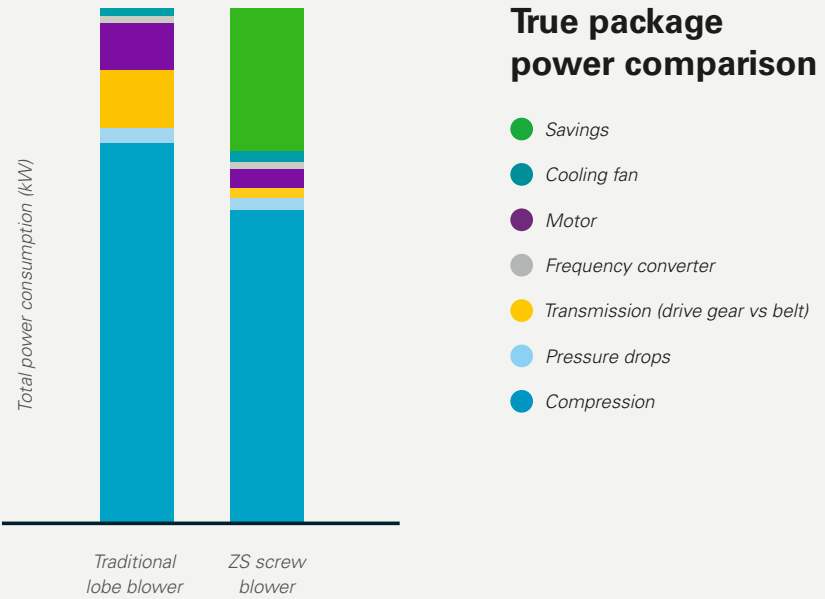
Energy losses in packaging

High resistance to the internal air flow leads to high pressure drops and increased energy consumption.

Losses by:

1. External compression
2. Belt/pulley
3. Silencer
4. Inlet filter

To deliver a flow of 1600 m³/hr (942 cfm) at a pressure of 0.8 bar(e) (11.6 psig), the tri-lobe blower consumes 61 kW (82 hp) on average.

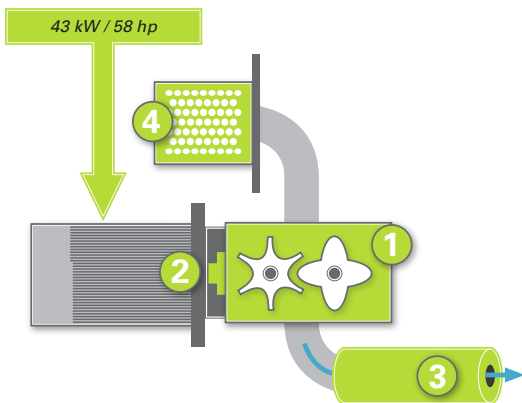


Energy savings by screw technology

- 4→1: Suction.** Air enters the compression chamber.
- 1→2: Internal compression.** As the rotors move towards each other, the air volume decreases.
- 2→3: Discharge.** Air is pushed out into the pipeline.

As shown in the Pressure/Volume diagram, the compression work is represented by the blue area and is proportional to the energy consumed. The green area represents energy savings of a screw blower compared to a traditional 'Roots' type rotary lobe blower. This is due to the internal compression.

- Thermodynamic energy consumption
- Energy savings



Energy savings by integration

In the ZS screw blower, the internal air flow path is optimized to reduce pressure drops and air turbulence.

- Maximum savings by:**
- Internal compression
 - Integrated gearbox
 - Smooth silencer
 - Inlet filter

To deliver a flow of 1600 m³/hr (942 cfm) at a pressure of 0.8 bar(e) (11.6 psig), the screw blower consumes 43 kW (58 hp) on average.

VSD: DRIVING DOWN ENERGY COSTS

Over 80% of a blower's lifecycle cost is taken up by the energy it consumes. Moreover, the generation of compressed air can account for more than 40% of a plant's total electricity bill. To cut your energy costs, Atlas Copco pioneered Variable Speed Drive (VSD) technology in the compressed air industry. VSD leads to major energy savings, while protecting the environment for future generations. Thanks to continual investments in this technology, Atlas Copco offers the widest range of integrated VSD blowers on the market.

Profile 1



- 64% of all installations
- Factory working 24 hrs/day: low demand at night & high demand during the day

Profile 2



- 28% of all installations
- Factory working 2 shifts/day, no weekend work: erratically varying air demand

Profile 3



- 8% of all installations
- Factory working 2 shifts/day, no weekend work: typical 'fixed' speed application

Varying air demand in 92% of all installations

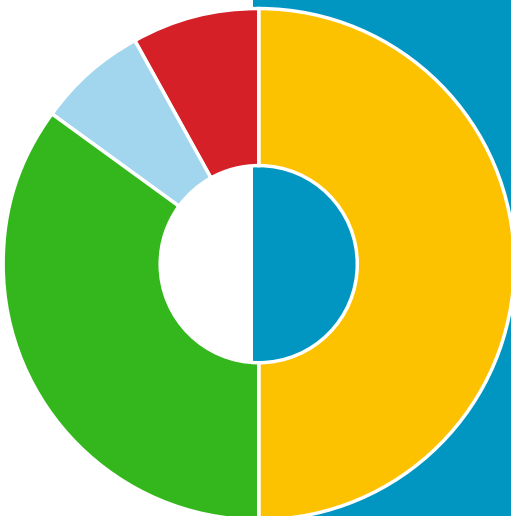
In almost every production environment, air demand fluctuates depending on different factors (time of the day, week or even month). Extensive measurements and studies of compressed air demand profiles show that 92% of all compressor and blower installations have substantial variations in air demand. Only 8% of all installations have a more stable air demand. Tests prove that, even in this case, VSD blowers save energy.

Energy savings on average up to 35%

Atlas Copco's VSD technology closely follows the air demand by automatically adjusting the motor speed. This results in large energy savings of up to 35%. The Life Cycle Cost of a blower can be cut by an average of 22%. In addition, lowered system pressure with VSD minimizes energy use across your production dramatically.

Total compressor lifecycle cost

- Energy
- Energy savings with VSD
- Investment
- Maintenance



ES – FULLY OPTIMIZED SYSTEM

A properly managed compressed air network will save energy, reduce maintenance, decrease downtime, increase production and improve product quality. Atlas Copco's ES central controllers are the most efficient way to monitor and control multiple blowers simultaneously as well as dryers and filters. An ES controller offers one central point of control for your whole compressed air network, ensuring all blowers provide optimum performance for your process. The result is a completely dependable and energy efficient network, giving you peace of mind and keeping your costs to a minimum.



Built-in intelligence

- Improved user-friendliness: 5.7" color display with clear pictograms for easy readout.
- Monitoring of running conditions and graphical indication of the service plan.
- Regulates system pressure within a predefined narrow pressure band.
- Integrated energy savings functions like dual pressure set point, 4 different programmable week schedules.
- Comprehensive icon indications and intuitive navigation.
- 31 different languages including character-based languages.
- Durable keyboard to resist tough treatment in demanding environments.
- Internet-based blower visualization using a simple Ethernet connection.
- Remote control and advanced connectivity functions.



SMARTLink*: Data Monitoring Program

- A remote monitoring system that helps you optimize your compressed air system and save you energy and cost.
- It offers you a complete insight in your compressed air network and anticipates on potential problems by warning you up-front.

** Please contact your local sales representative for more information.*

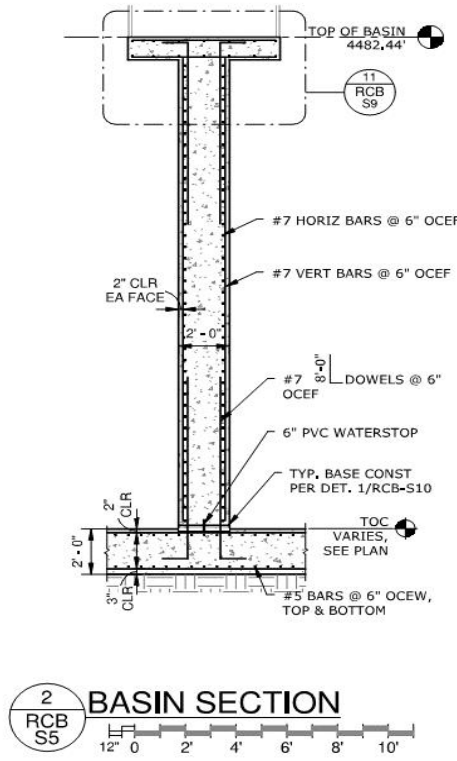
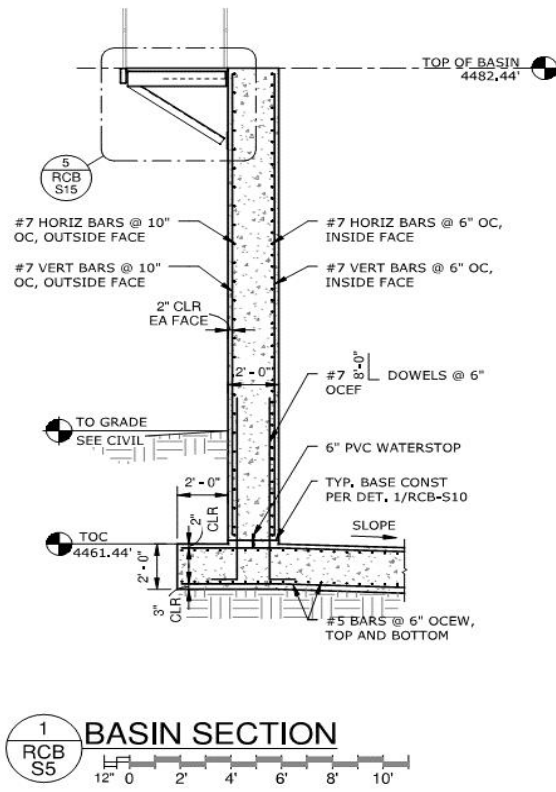
Livingston WRF Upgrade - Change Order G-1

EOPCC for Additional Structural Steel Reinforcement

Additional Rebar in Western SBR Wall Change Order Cost Estimate

Basin Wall Height	21 ft	
Basin Wall Length	142 ft	
#7 Rebar		
Horizontal		
# of Bars for Water Bearing (#7's at 6" OC)	42	
# of Bars for Non-Water Bearing (#7's at 10" OC)	25	
Total Difference	2,386 ft	
Vertical		
# of Bars Water Bearing (8' Dowels @ 6" OC)	284	
# of Bars for Non-Water Bearing (8' Dowels @ 10" OC)	170	
Total Difference	909 ft	
Total Length Difference of Rebar	3294 ft	
Estimate Mass of #7 Rebar	2.044 lbs/ft	
Total Mass Difference of Rebar	6,734 lbs	
Estimated Cost of Bulk Rebar	\$1,000 ton	(email correspondence with ACL)
	\$ 3,366.88	
Estimate for Installed Cost of Rebar	\$1.45 per lb	(email correspondence with ACL)
Installed Cost Estimate	\$ 9,763.94	
With Taxes, OH&P (16%)	\$ 11,326.17	

Section Structural Reinforcement Details in Questions





October 18, 2017

AE2S
Attn: Scott Buecker, PE
1050 East Main Street, Suite 2
Bozeman, MT 59715

**RE: SBR Basin Rebar Addition
Livingston WRF Upgrade 2017**

Mr. Buecker,

This letter is in concerns additional rebar in the SBR Basin. The change adding additional #7 Rebar from 10" O.C. to 6" O.C. on the outside mat in the West wall of the SBR Basin. This change is revising that area from Typical Section 1/RCB S5 to 2/RCB S5.

The in requested change Order amount results in additional compensation in the amount of \$12,025.79 and one (1) contract day. Attached is a break down on the cost along with a quote for Teton Steel of Montana

Thank you for time and consideration. Should you have any questions, please feel free to contact me at 406-551-0523.

Sincerely,

Kyle Kastelitz
Project Manager
Dick Anderson Construction



Dick Anderson Construction

4512 South Frontage Road
 Billings, MT 59107
 Phone (406) 248-3700 - Fax (406) 248-3776

CHANGE ORDER REQUEST

TO: Advanced Environmental and Engineering Services, Inc	Change Request No. DAC-2
ATTN: Attn: Scott Buecker	Job Name Livingston WRF Upgrade
1050 East Main, Suite 2	DAC Job # 05-17-513
Bozeman, MT 59715	Date of Proposal 10/18/2017
PHONE 406-219-2633	
FAX	

WORK PROPOSED

Change Rebar from 10" O.C. to 6" O.C. on outside mat in the West wall of the SBR Basin.
 Revised this area from Typical section 1/RCB-S5 to 2/RCB S5

DIRECT LABOR	Estimated	<input checked="" type="checkbox"/> Actual	Unit	Quantity	Unit Cost	Total
Operator 2			HR	2	\$ 48.84	\$ 97.68
					\$ -	\$ -
					\$ -	\$ -
SUBTOTAL						\$ 97.68
EQUIPMENT	Estimated	<input checked="" type="checkbox"/> Actual	Unit	Quantity	Unit Cost	Total
3.5 CY Loader			HR	2	\$ 65.00	\$ 130.00
					\$ -	\$ -
					\$ -	\$ -
SUBTOTAL						\$ 130.00
MATERIALS	Estimated	<input checked="" type="checkbox"/> Actual	Unit	Quantity	Unit Cost	Total
Rebar (Teton Steel of Montana)			LBS	12902	\$ 0.42	\$ 5,450.00
					\$ -	\$ -
					\$ -	\$ -
SUBTOTAL						\$ 5,450.00
SUBCONTRACTOR	Estimated	<input checked="" type="checkbox"/> Actual	Unit	Quantity	Unit Cost	Total
Grizzly Steel			LBS	12902	\$ 0.35	\$ 4,515.70
					\$ -	\$ -
					\$ -	\$ -
SUBTOTAL						\$ 4,515.70
OTHER	Estimated	<input checked="" type="checkbox"/> Actual	Unit	Quantity	Unit Cost	Total
Bonds, Insurance, Permits 2.5%			%	2.5	\$ 10,193.38	\$ 254.83
Lodging			MH	2	\$ 4.50	\$ 9.00
Cleanup and Handling					\$ -	\$ -
Subcontracting					\$ -	\$ -
Additional Subgrade Testing					\$ -	\$ -
Daily Overhead Cost (Per Letter Dates August 8, 2017)			Day	0	\$ 2,065.85	\$ -
Other/Miscellaneous					\$ -	\$ -
SUBTOTAL						\$ 263.83
						\$ 104.57
						\$ 522.86
						\$ 1,045.72
TOTAL PROPOSED CHANGE ORDER COSTS						\$ 12,025.79

This change requires a time extension of (1) days. Pricing void/subject to revision after (N/A). The costs represented in this Change Proposal include only those that can be identified at this time. No impact or delay costs are included. Should it be determined at a later date that the project has been impacted by multiple changes, delays or other causes beyond our control, we are reserving our right to submit additional costs at such time.

Submitted By:	<u>Kyle Kastelitz - Project Manager</u>	Date:	<u>10/18/2017</u>
Approved By:	_____	Date	_____



TETON STEEL OF MONTANA

Reinforcing Steel Fabrication -
A Division of Dalco Industries, Inc.
2880 Gabel Road
Billings, MT 59102

Phone: 406-259-8067 Fax: 406-259-9895



CONTRACTOR: DAC

DATE: 9-19-17

Name: Dick Anderson Construction
Address: Billings, MT

Project: Livingston WRF
Address: Livingston, MT

Purchase Order No:

Teton Job No. M17093
Invoice No.

AUTHORIZATION FOR EXTRA MATERIALS

Your signed acceptance is required on this form in order that TETON may proceed with the below-described extra requirements for this Project. Please have an authorized agent of your Company sign where indicated and return to our office immediately.

Upon receipt by TETON of this authorization, we will incorporate the required extra material in our placing drawings and proceed with fabricating and furnishing the material to the project.

In the event that this material is now being delivered to the project in order to facilitate the job, this authorization must be signed by your field representative and returned with our delivery person in order that future shipments will not be delayed.

EXTRA REQUIREMENTS: (REVISED) 9-21-17)

Additional Bar Required

Change exterior west wall reinforcing RCB from 10" OC to 6" OC

116 #7 @ 20'-8" = 2,397.72 LF

116 #7 @ 9'-2" Bent 8'-0" x 1'-2" 1063.33

95 #7 @ 30'-0" 2850 LF

Total = 6312 @ 2.044 = 12,902 LBS

Total Additional Cost \$5,450.00

Sales Taxes Not Included

\$.4224/LBS

The Terms and Conditions of the original Purchase Order shall apply to this Authorization for Extra Materials

Accepted For:

TETON Steel / DALCO Industries

By: _____

By: Gene C. Lowrey

Title: _____

Taylor K. Ranker / Russell E. Izatt
General Manager Sales Manager
Teton Steel Company

Date: _____

Backup material for agenda item:

- A. ORDINANCE NO. 2066 - AN ORDINANCE OF THE CITY OF LIVINGSTON, MONTANA, AMENDING ORDINANCE NO. 2036 AND CHAPTER 9, ARTICLE IV OF THE LIVINGSTON MUNICIPAL CODE ENTITLED "PARKING, STOPPING, AND STANDING" AND SPECIFICALLY SECTION 9-243 BY ESTABLISHING TWO RESERVED PARKING SPACES FOR THE "WINDRIDER" BUS SERVICE AND PROVIDING FOR A PENALTY FOR VIOLATION.

ORDINANCE NO. 2066

AN ORDINANCE OF THE CITY OF LIVINGSTON, MONTANA, AMENDING ORDINANCE NO. 2036 AND CHAPTER 9, ARTICLE IV OF THE LIVINGSTON MUNICIPAL CODE ENTITLED “PARKING, STOPPING, AND STANDING” AND SPECIFICALLY SECTION 9-243 BY ESTABLISHING TWO RESERVED PARKING SPACES FOR THE “WINDRIDER” BUS SERVICE AND PROVIDING FOR A PENALTY FOR VIOLATION.

Preamble.

The purpose of this Ordinance is to provide for the public health, safety and welfare by designating two reserved parking spaces for the Windrider Bus Service and to provide a monetary fine for enforcement.

WHEREAS, Windrider Bus Service provides a necessary transportation service for the citizens of Livingston; and

WHEREAS, the City Commission believes it is in the best interests of the community to establish two reserved parking spaces for Windrider in furtherance of the services provided.

NOW, THEREFORE, BE IT ORDAINED by the City Commission of the City of Livingston, Montana, as follows:

SECTION 1

That Section 9-243 of Chapter 9 of the Livingston Municipal Code is hereby amended, with additions shaded in gray and deletions struck through, as follows:

Section 9-243 Restricted Parking Zones – Reserved Spaces for Handicapped or Disabled Persons – Reserved Parking Space for Angel Line – Reserved Spaces for Windrider Bus.

A. Definitions:

1. For the purpose of this section, "special parking spaces" are defined as on street parking spaces reserved for disabled persons who were issued a permit, license plate, or placard by the State of Montana in accordance with MCA 49-4-302 Montana Code Annotated (MCA) which entitles a person to park a motor vehicle in a special parking space reserved for a person with a disability, whether on public property or on private property available for public use, when the person for whom the permit was issued is using the special parking space to enter or exit the vehicle.

2. "Special reserved parking spaces" are defined as restricted on street parking spaces reserved for the personal use of a disabled person(s) who has been issued a special parking permit by the State of Montana under MCA 49-4-301(1).

B. Special Parking Spaces: Any person requesting an on-street special parking space shall make written application to the Public Works Department using a form provided by the City. The application shall state the name and address of the applicant, the location of the requested space and the reason for the request. All eligible applications will be reviewed by City staff and submitted to the City Commission for approval.

1. The following factors will be taken into consideration and used as criteria in approving signs for special parking spaces on public streets:

- a. Existing parking problems in the area where the sign is being requested.
- b. Overall availability of parking in the area where the sign is being requested.

- c. The availability of reasonably accessible and practicable off street parking in close proximity to the area where the sign is being requested.
- d. The nature and use of the adjacent buildings.
 - i. The requested space must comply with applicable regulations and legal mandates in terms of dimensional requirements and location as specified in 49-4-302 MCA as follows:

In accordance with subsection (2) of 49-4-302 MCA, the governing body of a city, town, or county or appropriate state agency may impose all, but not less than all, of the following requirements with respect to any special parking space constructed after September 30, 1985, and reserved for a person with a disability or a permit holder on ways of this state open to the public, as defined in 61-8- 101:

(a) The space must be located on a smooth, level surface as near as practicable to building entrances or walkways that have curb cuts and appropriately designed ramps and access lanes to accommodate wheelchairs.

(b) If parallel to curbside, the parking space must be separated from an adjacent space, either in the front or the rear, by at least 5 feet of striped no-parking area.

(c) If at an angle to curbside, the parking space must be at least 8 feet wide and free of obstruction if located at the

end of a line of angle parking spaces, and each other angle parking space designated for a person with a disability must be at least 13 feet wide.

(d) A parking space reserved for a person with a disability must be designated by a sign showing the international symbol of accessibility, indicating that a permit is required, and stating the penalty for a violation. In order to meet the penalty statement requirement, signs existing on October 1, 1993, must have attached a decal stating the penalty for a violation. The sign must be attached to a wall or post in a way that it is not obscured by a vehicle parked in the space.

This section shall not limit the City from exercising its own discretion in establishing special parking spaces on public streets at other locations as deemed appropriate and as approved by the City Commission.

2. Once approved by the City Commission, the special parking space must be designated by a sign showing the international symbol of accessibility, indicating that a permit is required, and having a decal stating the penalty for a violation. The sign must be attached to a wall or post in a way that is not obscured. The parking space shall be in compliance with any other applicable regulations and legal mandates in terms of dimensional requirements and location.

3. A special parking space may be removed, as approved by the City Commission,

Ordinance No. 2066

Amending Ordinance No. 2036 establishing parking spaces for “Windrider” bus service.

Page 4

if there is a change in the circumstances such that the parking space shall no longer be appropriate under the criteria referred to herein.

C. Special Reserved Parking Space. A disabled person may request an on-street special reserved parking space restricted for their personal use in a residential area outside of the two- hour parking zone. The application shall be made in writing to the Public Works Department using a form provided by the City. The application shall state the name and address of the applicant, the location of the requested space, the reason for the request, and list the license number(s) of the vehicle(s) authorized to use the space. All eligible applications will be reviewed by City staff and submitted to the City Commission for approval. If the City Commission approves the personalized special parking space, the applicant will be notified and shall submit a non-refundable \$50 fee to pay for the installation of the sign. The sign will be installed after payment of the fee.

1. The criteria for designating an on street special reserved parking space restricted for the personal use of disabled persons outside of the 2-hour parking zone shall be as follows:

- a. The applicant must show that (1) they operate a vehicle(s), registered under MCA 61-3-332(9) or MCA 61-3-458(3)(b) or(3)(i), that displays a specialty inscribed license plate issued by the state of Montana to disabled persons and displaying a wheelchair symbol or the letters "DV" issued to disabled veterans or; (2) they possess a permit issued under MCA 49-4- 301(1) and MCA 49-4-304.:. A copy

- of the vehicle registration or permit must accompany the application;
- b. The requested special reserved parking space must be adjacent to the applicant's permanent residence.
- c. No more than one special reserved parking space shall be provided to any one individual, or more than one special reserved parking space provided per dwelling unit.
- d. No more than two vehicles may be designated as being authorized to use the space.
- e. No reserved parking space shall be provided within the downtown Two-Hour Parking Zone, as identified in Section 9-246 of this chapter.
- f. No reserved parking space shall be provided if reasonably accessible and practicable off street parking exists at the requested location.
- g. The requested space must be able to comply with the requirements of 49- 4-302(4) MCA as follows:

In accordance with subsection (2) of 49-4-302 MCA, the governing body of a city, town, or county or appropriate state agency may impose all, but not less than all, of the following requirements with respect to any special parking space constructed after September 30, 1985, and reserved for a person with a disability or a permit holder on ways of this state open to the public, as defined in 61-8-101:

- i. The space must be located on a smooth, level surface as near as practicable to building entrances or walkways that have curb cuts and appropriately designed ramps and access lanes to accommodate wheelchairs.

ii. If parallel to curbside, the parking space must be separated from an adjacent space, either in the front or the rear, by at least 5 feet of striped no-parking area.

iii. If at an angle to curbside, the parking space must be at least 8 feet wide and free of obstruction if located at the end of a line of angle parking spaces, and each other angle parking space designated for a person with a disability must be at least 13 feet wide.

iv. A parking space reserved for a person with a disability must be designated by a sign showing the international symbol of accessibility, indicating that a permit is required, and stating the penalty for a violation. In order to meet the penalty statement requirement,

signs existing on October 1, 1993, must have attached a decal stating the penalty for a violation. The sign must be attached to a wall or post in a way that it is not obscured by a vehicle parked in the space.

2. Once approved by the City Commission, the special reserved parking space must be designated by a sign displaying the license plate number(s) of the vehicle(s) authorized to park in the special reserved parking space and stating the penalty for violation. The sign must be attached to a wall or post in a way that is not obscured.

3. Reapplications to maintain a special reserved parking space must be made by December 31st of each year. A fee of \$5.00 is required with each reapplication. If the reapplication is not received by December 31st, the person will be notified by mail and an application form shall accompany such notice. The sign will be removed if the

reapplication is not received within 30 days.

4. If a person who has been provided a special reserved parking space moves to a new residence within the City limits, and a space is needed for the new residence, the City will relocate the sign to the new location without additional fee if the City is promptly notified of the change of address and provided that the new address is in a residential area outside of the 2-hour parking zone.

5. A special reserved parking space shall promptly be removed if there is a change in the circumstances such that the parking space shall no longer be appropriate under the criteria referred to herein.

D. Angel Line Reserved Parking Spot. The City Commission hereby establishes and designates a reserve parking zone for Angel Line exclusive use 24 hours per day, 365 days per year, in front of the Senior Center of Park County, 206 South Main Street, Livingston, Montana, which reserved parking zone shall be of sufficient length to accommodate the Angel Line’s van.

E. Windrider Reserved Parking Spaces. The City Commission hereby establishes and designates two bus loading/unloading zones as described below:

1. On the south side of Lewis Street between Main Street and Second Street adjacent to the alley in Block 95.

2. On the north side of Callender Street between Second Street and Third Street, in front of the City-County Library.

The penalty for parking in either of the Windrider spaces is one-hundred dollars (\$100.00).

Effective date:

This ordinance will become effective 30 days after the second and final adoption.

PASSED by the City Commission of the City of Livingston, Montana, on first reading at a regular session thereof held on the 17th day of October, 2017

JAMES BENNETT- Chairman

ATTEST:

LISA HARRELD
Recording Secretary

* * * * *

PASSED, ADOPTED AND APPROVED by the City Commission of the City of Livingston, Montana, on second reading at a regular session thereof held on the 7th day of November, 2017.

JAMES BENNETT - Chairman

ATTEST:**APPROVED AS TO FORM:**

LISA HARRELD
Recording Secretary

JAY PORTEEN
City Attorney

NOTICE

The public is invited to attend and comment at a public hearing to be held on November 7, 2017, at 6:30 p.m. in the Community Room of the City County Complex, 414 East Callender Street, Livingston, Montana, on the second reading of ORDINANCE NO. 2066 entitled "AN ORDINANCE OF THE CITY COMMISSION OF THE CITY OF LIVINGSTON, MONTANA, AMENDING ORDINANCE 2036 AND CHAPTER 9, ARTICLE IV OF THE LIVINGSTON MUNICIPAL CODE ENTITLED "PARKING, STOPPING, AND STANDING" AND SPECIFICALLY SECTION 9-243 BY ESTABLISHING TWO RESERVED PARKING SPACES FOR THE "WINDRIDER" BUS SERVICE AND PROVIDING FOR A PENTALTY FOR VIOLATION."

A copy of the ordinance is available for inspection at the City Office, 414 East Callender Street, Livingston, MT 59047. For further information call the City Attorney at (406) 823-6007.

Backup material for agenda item:

- A. RESOLUTION NO. 4761 - A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF LIVINGSTON, MONTANA, DESIGNATING CITY DIRECTOR OF HUMAN RESOURCES AND ADMINISTRATIVE SERVICES AS THE ENVIRONMENTAL CERTIFYING OFFICER FOR MONTANA DEPARTMENT OF COMMERCE HOME GRANT FOR THE LIVINGSTON MEMORIAL HOSPITAL ADAPTIVE RE-USE PROJECT.

RESOLUTION NO. 4761

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF LIVINGSTON, MONTANA, DESIGNATING CITY DIRECTOR OF HUMAN RESOURCES AND ADMINISTRATIVE SERVICES AS THE ENVIRONMENTAL CERTIFYING OFFICER FOR MONTANA DEPARTMENT OF COMMERCE HOME GRANT FOR THE LIVINGSTON MEMORIAL HOSPITAL ADAPTIVE RE-USE PROJECT.

WHEREAS, Livingston Memorial Hospital Adaptive Re-Use project administrators have applied to the Montana Department of Commerce for a HOME grant; and

WHEREAS, the grant is federally funded and requires the certification of an environmental compliance officer; and

WHEREAS, the environmental certifying officer may be designated by a formal resolution; and

WHEREAS, the City Director of Human Resources and Administrative Services has been designated as environmental certifying officer.

NOW, THEREFORE, BE IT RESOLVED by the City Commission of the City of Livingston, Montana, as follows:

That the Human Resources and Administrative Services Director is hereby designated as the Environmental Certifying Officer for the Montana Department of Commerce HOME grant for Livingston Memorial Hospital Adaptive Re-use Project.

PASSED AND ADOPTED by the City of Livingston, this _____ day of November, 2017.

JAMES BENNETT - Chairman

ATTEST:

APPROVED AS TO FORM:

LISA HARRELD
Recording Secretary

JAY PORTEEN
City Attorney

Backup material for agenda item:

- B. RESOLUTION NO. 4762 - A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF LIVINGSTON, MONTANA, AUTHORIZING THE CITY MANAGER TO SIGN AN AGREEMENT WITH PARK COUNTY TO FACILITATE ESTABLISHING AND AMENDING INTERLOCAL AGREEMENTS.

RESOLUTION NO. 4762

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF LIVINGSTON, MONTANA, AUTHORIZING THE CITY MANAGER TO SIGN AN AGREEMENT WITH PARK COUNTY TO FACILITATE ESTABLISHING AND AMENDING INTERLOCAL AGREEMENTS.

WHEREAS, the City of Livingston and Park County, Montana are local governmental units of the State of Montana which from time to time have entered into Interlocal Agreements pursuant to 7-11-101 Montana Code Annotated (MCA); and

WHEREAS, to facilitate establishing and amending Interlocal Agreements, the parties believe that a single, all-inclusive compact setting forth the duties and responsibilities of each party in respect to specified services, infrastructure and/or facilities provided by each would be in the best interest of the residents; and

WHEREAS, the Compact Agreement attached hereto and incorporated herein as Exhibit A sets forth the terms and conditions for the City of Livingston and Park County to facilitate establishing and amending Interlocal Agreements;

NOW, THEREFORE, BE IT RESOLVED, by the City Commission of the City of Livingston, Montana, as follows:

That the City Manager is hereby authorized to enter into the Cooperative Agreement with the Park County, Montana attached hereto as Exhibit A.

PASSED AND ADOPTED by the City Commission of the City of Livingston, this _____ day of November, 2017.

JAMES BENNETT - Chairman

ATTEST:

APPROVED AS TO FORM:

LISA HARRELD
Recording Secretary

JAY PORTEEN
City Attorney

City of Livingston and Park County Compact

Whereas, the City of Livingston, a municipal corporation and political subdivision of the State of Montana, hereinafter referred to as the City and the County of Park, a political subdivision of the State of Montana, hereinafter referred to as the County are local governmental units of the State of Montana which from time to time have entered into Interlocal Agreements pursuant to 7-11-101 Montana Code Annotated (MCA) *et seq.*; and

Whereas, to facilitate establishing and amending Interlocal Agreements, the parties believe that a single, all-inclusive compact setting forth the duties and responsibilities of each party in respect to specified services, infrastructure and/or facilities provided by each would be in the best interests of the residents; and

Whereas, the City and County believe that in addition to each entity's public records, a single document consisting of all such agreements would be in the best interests of each unit of local government and their respective residents and would facilitate creating and amending said agreements as well as provide the public with a single source to review such agreements.

NOW THEREFORE IT BE AGREED by the City and the County as follows:

Preamble

It is the purpose of this Compact to permit the City and County to make the most efficient use of their powers by enabling them to cooperate with each other on a basis of mutual advantage and thereby to provide services and facilities in a manner and pursuant to forms of governmental organization that will accord best with geographic, economic, population, and other factors influencing the needs and development of local communities.

1. That there is hereby established this Compact between the City and County which shall set forth all interlocal cooperation agreements between the City and County, and except for the separate chapters established hereby, establishes the general terms and conditions applicable to all such Chapters.

2. This Compact shall remain in effect indefinitely. If no current chapters to the Compact exist, it may be terminated by either party upon giving written notice to the other party at least 6 months prior to the requested termination date.
3. Any disputes arising out of this Compact will be resolved by the binding arbitration rules for chapters identified in paragraph 5.(17).
4. That the areas in which the City and County desire to create an interlocal agreement are identified as chapters, and may include any area of cooperation between the City and County.
5. General terms and conditions applicable to all chapters:
 - (1) **Duration**. All chapters shall be in effect for a maximum term of 5 years. A chapter will not automatically renew. There will be a specified expiration date in each chapter.
 - (2) **Effective Date**. Each chapter shall become effective once signed by both the City and County representatives. The Effective Date will be annotated at the top of the signature page for the chapter.
 - (3) **Organization**. If applicable, the precise organization, composition, and nature of any separate legal entity created by the contract will be specified in the applicable chapter.
 - (4) **Purpose**. The purpose or purposes will be specified in each chapter.
 - (5) **Financing**. The manner of financing the joint or cooperative undertaking and establishing and maintaining a budget for the undertaking will be specified in each applicable chapter.
 - (6) **Goals and Property Disposition**. The permissible method or methods to be employed in accomplishing the partial or complete termination of the agreement and, if applicable, for disposing of property upon a partial or complete termination will be specified in each chapter.
 - (7) **Board membership**. Provision for an administrator or a joint board responsible for administering the joint or cooperative undertaking, including representation of the contracting parties on the joint board will be specified in the applicable chapter.
 - (8) **Property**. if applicable, the manner of acquiring, holding, and disposing of real and personal property used in the joint or cooperative undertaking will be specified in the applicable chapter.

- (9) **Employment records**. The contracting party responsible for reports and payment of retirement system contributions pursuant to 19-2-506 M.C.A will be specified in the applicable chapter.
- (10) **Professional contracts**. If applicable, the manner of sharing the employment of a professional person licensed under Title 37 will be specified in the applicable chapter.
- (11) **Termination**. Any Chapter covered by this Compact may be terminated by either party upon giving the other party written notice at least 6 months prior to the requested termination date.
- (12) **Nondiscrimination**. In signing (and in any performance of) this Compact or chapter, County and the City will hire on the basis of merit and qualifications. In awarding (and in any performance of) this Compact or chapter, the City or the County will not discriminate on the basis of race, color, religion, creed, political ideas, sex, age, marital status, physical or mental handicap, or national origin. In accepting (and in any performance of) this Compact or chapter, the City or the County, will hire on the basis of merit and qualifications. In signing (and in any performance of) this Compact or chapter, City and County will not discriminate on the basis of race, color, religion, creed, political ideas, sex, age, marital status, physical or mental handicap, or national origin.
- (13) **Interpretation**. This Compact or chapter shall be governed by and interpreted according to the laws of the State of Montana. Section headings are for convenience only and are not intended to define or limit the scope of any provision of this Compact or chapter.
- (14) **Severability**. The Chapters set forth in this Compact are independent and severable and the invalidity, partial invalidity or unenforceability of any one of the provisions, or any portion thereof, shall not affect the validity or enforceability of any other provision.
- (15) **Hold Harmless**. The parties hereto agree to release, defend, indemnify and hold harmless the other party, its officers, employees, elected officials, agents and assigns from any and all actions, claims, liabilities, demands or assertions of liability, causes of action, losses, costs and expenses including, but not limited to, reasonable attorney's fees, involving or relating to any harm, injury or damage, suffered or sustained by any parties employees, elected officials, agents and representatives, or any third party which in any manner may arise or be alleged to have arisen, or resulted or alleged to have resulted from the performance of the terms and conditions of any chapter of this Compact.

- (16) **Insurance.** Each party will maintain liability insurance in compliance with 2-9-101 M.C.A., *et seq.*, naming each other as an additional insured.
- (17) **Entire Agreement.** This Agreement is the entire agreement between the parties. No alteration, amendment, modification, or addition shall be binding unless reduced to writing and signed by the parties.
- (18) **Binding Arbitration.** Any dispute arising out of a Compact chapter shall be settled by binding arbitration with an arbitrator to be selected from a list of five (5) qualified commercial arbitrators of the American Arbitration Association, with each party striking two names from said list. The rules of the American Arbitration Association apply. Each party shall pay fifty percent of the costs of arbitration.
- (19) **Filing of Agreement.** Pursuant to Section 7-11-107 MCA this agreement shall be filed with the County Clerk and Recorder and the Montana Secretary of State.
- (20) **Format.** A template for the "Chapter" is attached as Appendix A and all subsequently approved "Chapters" to this Compact shall follow this format.
- (21) **Changes.** Any changes to a chapter must be ratified by both the City and County prior to becoming effective.
- (22) **Review.** Each chapter will be reviewed a minimum of 6 months prior to its expiration date.
- (23) **Expiration.** Any chapter that expires will invoke a 3-month expiration period to allow for negotiations to maintain the chapter. At the end of the 3-month expiration period the chapter is null and void and neither party is bound by the terms of that chapter.
- (24) **Administration.** The administration of the compact will be jointly accomplished by the City Manager and the County Public Communications Administrator. The Compact will include the approving legislation from the City as Appendix B and the approving legislation from the County as Appendix C. A public copy of the Compact and all current chapters will be maintained by both the City and the County.
- (25) **Miscellaneous.** Any other necessary and proper matters will be specified in the applicable chapter.

* * * * *

CITY OF LIVINGSTON

COUNTY OF PARK

Michael Kardoes – City Manager

Steve Caldwell
Park County Commissioner

Date

Clint Tinsley
Park County Commissioner

Bill Berg
Park County Commissioner

Date

ATTEST:

ATTEST:

Lisa Harreld – Recording Secretary

Maritza Reddington
Park County Clerk and Recorder

APPROVED AS TO FORM:

APPROVED AS TO FORM:

Jay Porteen
Livingston City Attorney

Bruce Becker
Park County Attorney

Appendix A

City-County Compact Chapter Format

Chapter # - TOPIC

Expiration Date: DD MMM YYYY

Statutory Authority: *[Federal, State, and Local laws, regulations, and/or ordinances if required]*

Purpose: *[This section should include language that briefly states the purpose for this agreement]*

Governance: *[This section should clearly state HOW the agreement will be governed – is there an oversight board (like Joint Health Board? Is a specific staff member given authority (like IT/GIS Director)? Or, does the City/County Commission share administrative oversight?]*

Board Membership: *[If the agreement, by statute or local preference, creates an oversight board – this section should include the details for who appoints, how many members are appointed, what are the limits of board authority, any special requirements on those to be appointed, length of terms, etc.]*

Finances: *[Will the City or County provide financial monitoring, budgeting, and accounting? A detail of any ‘administrative costs’ to be charged by the oversight government should be included here. What are the specifics related to how much each agency will provide on an annual basis? Any other financial details that are distinct to this agreement should be clearly described in this section.]*

Contract Administration: *[What staff, from which agency, will be responsible for contract bids, awards, and administration that will/may be necessary for implementation of the agreement?]*

Staff Relationships: *[Are there specific authorities, expectations, or other issues, with regard to agency specific staff that need to be explained?]*

Employment Records: (only if different from COMPACT)

Professional Contracts: (only if different from COMPACT)

Reporting: *[What, if any, reporting mechanisms are expected from the Board, agency specific staff, etc?]*

CITY OF LIVINGSTON

COUNTY OF PARK

Michael Kardoes – City Manager

Steve Caldwell
Park County Commissioner

Date

Clint Tinsley
Park County Commissioner

Bill Berg
Park County Commissioner

Date

ATTEST:

ATTEST:

Lisa Harreld – Recording Secretary

Maritza Reddington
Park County Clerk and Recorder

APPROVED AS TO FORM:

APPROVED AS TO FORM:

Jay Porteen
Livingston City Attorney

Bruce Becker
Park County Attorney

Backup material for agenda item:

- A. DISCUSS/APPROVE/DENY - Approve recommendation from Planning Director Jim Woodhull for Planning Board subcommittee

City Manager
Michael Kardoes

414 East Callender Street
Livingston, Montana 59047
(406) 222-2005 phone
(406) 222-6823 fax
citymanager@livingstonmontana.org
www.livingstonmontana.org



Chairman
James Bennett

Vice Chairman
Dorel Hohlund

City Commissioners
Mel Friedman
Quentin Schwarz
Sarah Sandberg

November 1, 2017

MEMORANDUM

TO: City Manager

FROM: Director of Building/Planning *JW*

SUBJECT: Proposed City/County Planning Sub-committee

Mr. Kardoes,

The City Planning Board would like the City Commission to authorize the creation of a joint planning sub-committee. The purpose of this sub-committee would be as follows:

The City/County Planning Subcommittee will comprise of five members, two from the County Planning and Development Board, two from the City Planning Board, and one member (Peter Fox) who serves as the Chairman of the County Planning and Development Board and the County Representative on the City Planning Board. The Subcommittee will work with City and County staff to explore and address growth and development potential in the area surrounding the City of Livingston. The Subcommittee will look at land use opportunities in this area, traffic concerns and infrastructure development and expansion by the City. In addition, the Subcommittee will also explore the legal framework and statutory opportunities to address the goals mentioned above. Upon completion of this effort, the Subcommittee may make a recommendation to both the City Planning Board and the County Planning and Development Board, each of which may make recommendations to the City Commission and County Commission respectively.

I ask that an action item be placed on the November 7 Commission agenda to consider this proposal.

Backup material for agenda item:

- B. DISCUSS/APPROVE/DENY - Approve City - County Solid Waste Compact Agreement

Chapter # 1 - SOLID WASTE

Expiration Date: 08 October 2022

Statutory Authority: The City of Livingston and Park County are local governmental units of the State of Montana which from time to time have entered into Interlocal Agreements pursuant to 7-11-101 Montana Code Annotated (MCA) et seq. The County has previously created the Park County Refuse District and has the power and authority to govern the district by and through its general policy powers and under Title 7, Chapter 11.

Purpose: Park County and the City of Livingston government desires to maximize the efficiency, and cost-effectiveness, of its public solid waste services. Toward that end, a 2011 study and subsequent contract demonstrated that the City of Livingston's municipal transfer station provides an economical and convenient alternative for the disposal of Park County's solid waste.

The City of Livingston is willing to contract with Park County, for the disposal of Park County's solid waste. Such an arrangement does not include the provision of collection services to County residents (non-city) or businesses outside the city limits. Any municipally provided collection services, and the resulting costs, would be added to this chapter after a separate negotiation between Park County and the City of Livingston.

Governance: Sole responsibility for the policy and operation of the municipal transfer station, and all municipal solid waste activities, remains with the City of Livingston Solid Waste Division, Public Works Department, City Manager, and City Commission.

Board Membership: N/A

Finances: Each Park County solid waste vehicle delivering to the Livingston municipal transfer station will be weighed, on a state certified scale; and a receipt/log entry will record the vehicle, date, time, and weight of the solid waste. These records shall be used for the purpose of calculating a monthly invoice to Park County, from the City of Livingston, payment for which will be due within thirty days of receipt of invoice.

- **Municipal Waste** - Park County shall be charged a Transfer Station Operation and Maintenance Fee (TSOMF) of \$22.37 combined with a Transfer and Landfill Fee (TLF) of \$45.63 for municipal waste disposed of from county collection operations. Transfer and Landfill Fee will be a direct cost transfer from Montana Waste Systems. If Park County disposes less than 7,000 tons/year of total waste (excluding green waste), Park County will be back charged any additional cost accrued according to the Montana Waste Systems Contract. Any yearly increases in cost/ton from Montana Waste Systems will be charged to the county.

The Transfer Station Operation and Maintenance Rate shall be subject to increase July 1 of each successive calendar year. The amount of which shall be calculated by adding to the base rate for immediately preceding year as follows:

Base Rate = TSOMF

Annual Base Rate Adjustment = [1.0 (CPI)] x the Base Rate for the preceding year

Total Fee = Base Rate + TLF

Total Fee Year 1 = Base Rate (\$22.37) + TLF (\$45.63) = \$68

In no event shall the Annual Adder exceed five percent of the base rate for the preceding year.

Park County Disposal Vehicles will only be allowed access to the Transfer Station during normal business hours (public hours) unless arrangements are made with the City of Livingston Public Works Department. Park County has no jurisdiction over the operational changes made within the City of Livingston's Solid Waste Department. The City of Livingston will coordinate and communicate any operational changes that will affect Park County operations a minimum of 30 days prior to implementation.

All other acceptable waste types will be charged at the same rate charged to Livingston Businesses. Other waste types are listed below:

- Construction Waste
 - Green Waste
 - Vehicle Batteries
 - Engine Oil
 - Antifreeze
 - Tires
 - Metal Goods
 - Water Heaters, Washers, Dryers, Stoves/Ranges
 - Refrigerators or Freezers Tagged "Freon Removed"
 - Refrigerators or freezers with Freon
 - Dead Animals??
- **Recycling** - Park County government will contribute \$375/month toward the operational costs of the municipal recycling center located at the municipal transfer station. In return for this remuneration, Park County (non-city) residents are allowed to bring recyclable materials to the municipal recycling center, free of charge. Any significant changes to this partnership, beyond what is currently in place, will be accomplished by further negotiation and subsequent modification/approval of this chapter.
 - **Hazardous/Unacceptable/Special Waste** - Park County government shall incur any costs related to the delivery of any waste delivered by Park County government to the City of Livingston's municipal transfer station, which meets the definition of hazardous, unacceptable, or special waste, as defined in the definitions section (Article I) of the contract between the City of Livingston and Montana Waste Systems (dated 9/19/2017), and provided here as Attachment A. Further, Park County government agrees, that in the event they deliver such waste to the municipal transfer station, they will take all steps necessary, at their cost, to comply with Article III and Article IV of the contract between the City of Livingston and Montana Waste Systems (dated 9/19/2017).
 - **Park County Collection Boxes** – Collection boxes for park county users with a solid waste “tag” will not be located at the Transfer Station and/or on Livingston property unless negotiated separately and added to this compact.

- **Green Waste** - Park County residents and Park County governmental departments will be allowed to dispose of green waste for free with the stipulation that Park County participates in monitoring green waste burns and the hauling of green waste to Swingley Road Compost Site twice a year. Park County Fair Disposal of straw, wood chip and manure will be charged at \$15.00/ton or can be hauled directly to Swingley Road Compost Site.
- **Collection Services** – If a residence or business outside of city limits requests waste collection services from the City of Livingston they may be provided the service at a rate the City deems appropriate. Any and all negotiation on decreasing county refuse assessment cost will be strictly between the entity requesting service and Park County.

Contract Administration: Sole responsibility for the policy and operation of the municipal transfer station, and all municipal solid waste activities, remains with the Public Works Department, City Manager, and City Commission.

Staff Relationships: City of Livingston staff will lead any solid waste joint operations, however, Park County will retain all supervisory rights and responsibilities for Park County staff.

Employment Records: N/A

Professional Contracts: Solid Waste Hauling and Disposal Agreement, 23 Jan 2008 and the Addendum dated 19 Sep 2017.

Reporting: The City of Livingston will provide monthly invoices, and copies of source documents. As requested, the City of Livingston will provide any other available data, operational or financial, with respect to solid waste disposed of by Park County, at the municipal transfer station.

DATED this _____ day of _____, 2017.

CITY OF LIVINGSTON

COUNTY OF PARK

Michael Kardoes – City Manager

Steve Caldwell
Park County Commissioner

Clint Tinsley
Park County Commissioner

Bill Berg
Park County Commissioner

ATTEST:

ATTEST:

Lisa Harreld – Recording Secretary

Emily Post Maritza Reddington
Park County Clerk and Recorder

APPROVED AS TO FORM:

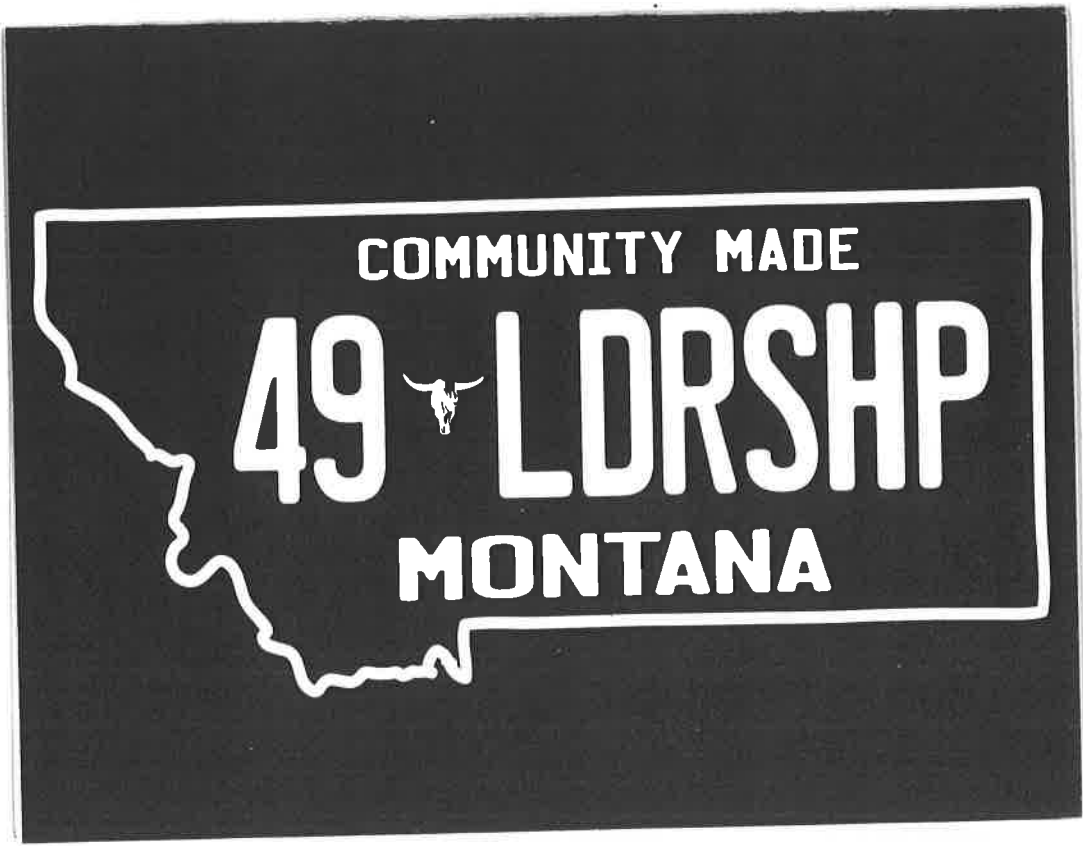
APPROVED AS TO FORM:

Jay Porteen
Livingston City Attorney

Bruce Becker
Park County Attorney

Backup material for agenda item:

Supplemental - Thank you note from Leadership 49



of this amazing program!
 Rachel Anderson
 Thank you for the chance to grow in Leadership!
 This is amazing!

Thank you for the chance to grow in Leadership!
 This is amazing!

Thank you for the chance to grow in Leadership!
 This is amazing!

Thank you for this amazing opportunity!
 -Carly

Thank you for this amazing opportunity!
 -Breanna Sutherland

Thank you for supporting this program and encouraging me to participate!
 So excited!!! -Maggie

Thank you for supporting this program and encouraging me to participate!
 So excited!!! -Maggie

Thank you with all the above the committee
 -Marianne
 Michael Wasylak

Thank you for your support of this opportunity.
 Patty