

# Premier Gold 2018 Mineral Reserves & Resources

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THUNDER BAY, ON, Feb. 25, 2019 /CNW/ - [Premier Gold Mines Ltd.](#) ("Premier" or "The Company") (TSX:PG) is pleased to provide an update on its mineral reserves and resources (MRMR) as of December 31, 2018 including updated statements from the Mercedes Mine (100%-owned) and South Arturo Property (40%-owned). All tables reflect tonnes and ounces attributable to Premier, and reflect the impact of depletion from 2018. Exploration success is continuing to support the replacement of mined reserves at Mercedes and South Arturo.

## 2018 MRMR Highlights

- Replacement of 80% of mined production within Proven and Probable Reserves in 2018
- Replacement and increase of gold Reserves at South Arturo
- 8% growth in Measured and Indicated resource ounces at South Arturo (exclusive of reserves)
- Cove delivers robust PEA that includes a 50% increase in Indicated resources of gold

Table 1: Comparison of 2018 and 2017 Proven and Probable Gold Reserves

GOLD (Au)	2018			2017			
	PROPERTY	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces
		Mt	g/t	000's	Mt	g/t	000's
Greenstone	70.85	1.02	2,324	70.85	1.02	2,324	
Mercedes	3.38	3.63	395	3.29	3.94	417	
South Arturo	2.84	3.01	275	2.64	3.18	270	
TOTAL	77.08	1.21	2,994	76.78	1.22	3,012	

Table 2: Summary of 2018 Proven and Probable Reserves for Gold and Silver

GOLD (Au)		PROVEN RESERVES				PROBABLE RESERVES				PROVEN+PROBABLE RESERVES	
PROPERTY		Tonnes		Grade		Tonnes		Grade		Ounces	
		Mt	g/t	000's	Mt	g/t	000's	Mt	g/t	000's	
Greenstone (Hardrock) <sup>(1)</sup> -		-	-		70.85	1.02	2,324	70.85	1.02	2,324	
Mercedes <sup>(2)</sup>	0.19	9.01	56		3.19	3.31	339	3.38	3.63	395	
South Arturo <sup>(3)</sup>	1.51	3.20	155		1.34	2.79	120	2.84	3.01	275	
TOTAL	1.70	3.87	211		75.38	1.15	2,783	77.08	1.21	2,994	
SILVER (Ag)		PROVEN RESERVES				PROBABLE RESERVES				PROVEN+PROBABLE RESERVES	
PROPERTY		Tonnes		Grade		Tonnes		Grade		Ounces	
		Mt	g/t	000's	Mt	g/t	000's	Mt	g/t	000's	
Greenstone (Hardrock) <sup>(1)</sup> -		-	-	-	-	-	-	-	-	-	
Mercedes <sup>(2)</sup>	0.19	80.97	503		3.19	21.67	2,222	3.38	25.05	2,725	
South Arturo <sup>(3)</sup>	-	-	-		-	-	-	-	-	-	
TOTAL	0.19	80.97	503		3.19	21.67	2,222	3.38	25.05	2,725	

Table 3: Summary of 2018 Mineral Resources for Gold and Silver (exclusive of mineral reserves)

GOLD (Au)		MEASURED RESOURCES INDICATED RESOURCES M+I RESOURCES						INFERRED RESOURCES				
PROPERTY	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces
	Mt	g/t	000's	Mt	g/t	000's	Mt	g/t	000's	Mt	g/t	000's
Greenstone <sup>(1)</sup>	2.03	1.07	70	18.38	2.27	1,340	20.41	2.15	1,410	13.68	3.09	1,360
Mercedes <sup>(2)</sup>	0.25	3.32	27	3.00	3.41	329	3.25	3.40	356	1.72	4.18	231
South Arturo <sup>(3)</sup>	2.40	1.06	81	6.82	1.03	228	9.22	1.03	309	0.76	1.30	32
McCoy-Cove <sup>(4)</sup> -	-	-	-	0.95	11.22	342	0.95	11.22	342	3.66	11.24	1,322
Hasaga <sup>(5)</sup>	-	-	-	42.29	0.83	1,124	42.29	0.83	1,124	25.14	0.78	631
<b>TOTAL</b>	<b>4.68</b>	<b>1.18</b>	<b>178</b>	<b>71.44</b>	<b>1.46</b>	<b>3,363</b>	<b>76.12</b>	<b>1.45</b>	<b>3,541</b>	<b>44.96</b>	<b>2.47</b>	<b>3,576</b>
SILVER (Ag)		MEASURED RESOURCES INDICATED RESOURCES M+I RESOURCES						INFERRED RESOURCES				
PROPERTY	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces
	Mt	g/t	000's	Mt	g/t	000's	Mt	g/t	000's	Mt	g/t	000's
Greenstone <sup>(1)</sup>	-	-	-	-	-	-	-	-	-	-	-	-
Mercedes <sup>(2)</sup>	0.25	51.23	417	3.00	36.94	3,564	3.25	38.05	3,981	1.72	36.11	1,997
South Arturo <sup>(3)</sup> -	-	-	-	-	-	-	-	-	-	-	-	-
McCoy-Cove <sup>(4)</sup> -	-	-	-	0.95	29.53	900	0.95	29.53	900	3.66	20.89	2,457
Hasaga <sup>(5)</sup>	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>0.25</b>	<b>51.23</b>	<b>417</b>	<b>3.95</b>	<b>35.16</b>	<b>4,464</b>	<b>4.20</b>	<b>36.13</b>	<b>4,881</b>	<b>5.38</b>	<b>25.76</b>	<b>4,454</b>

Pricing assumptions for gold and silver and other parametres are summarized in the "End Notes" at the end of this release. Note that any discrepancies in tables are be due to rounding. A detailed MRMR statement of all Premier's properties is highlighted in Table 2 for Mineral Reserves and in Table 3 for Mineral Resources (exclusive of reserves).

"Premier has maintained a solid reserve and resource base in 2018 including updated statements at three of its property interests. We remain committed to the advancement of our portfolio through sustained exploration and a long-term strategic vision of growing production" commented Ewan Downie, President and Chief Executive Officer.

## Operating Mines

Premier's two operating assets include Mercedes (100%) located in Sonora State in Mexico and South Arturo (40%) within the Carlin Trend in northern Nevada.

### Mercedes Mine

Premier has owned Mercedes since October 1<sup>st</sup>, 2016. Mineral reserves at the mine stood at some 404,000 ounces of gold with an effective date of June 30, 2016. Since then, a total of 197,000 ounces of gold have been produced at Mercedes, of which 174,000 ounces of production is attributable to Premier. Proven and Probable reserves have been reduced by only 2.2% for 2.5 years of mining to some 395,000 ounces of gold.

During 2019, Premier anticipates delineation drilling at Marianas to provide much of the resource to reserve conversion at Mercedes.

Tables 4 and 5 are detailed summaries of mineral reserves and mineral resources (exclusive of reserves) respectively on a "per ore zone" basis. Importantly, the Diluvio ore zone represents 52% of current mineral reserves at Mercedes and 38% of remaining measured and indicated resources. Mining at Diluvio represents a similar weighting in the mine plan for 2019 having efficiently transitioned to primarily longhole mining methods. An important component to replacing mined reserves at Mercedes in 2019 will be the successful delineation of the Marianas deposit that is located along the significant Mercedes ore trend. The Company has planned for 22,000 metres of delineation drilling at Marianas in 2019, which are coordinated with an extensive underground development program.

The mineral resources summarized in Table 5 represent a comprehensive review of 2018 results that imposed a stringent depletion of the resource. Removing sterilized areas from the mineral resources explains most of the tonnage or grade reductions as compared to 2017.

Table 4: Detailed 2018 Mineral Reserves for Gold and Silver at Mercedes Mine <sup>(2)</sup>

**GOLD (Au) PROVEN RESERVES PROBABLE RESERVES PROVEN+PROBABLE RESERVES**

ORE ZONE	Tonnes			Grade			Ounces			Tonnes			Grade			Ounces		
	kt	g/t	000's	kt	g/t	000's	kt	g/t	000's	kt	g/t	000's	kt	g/t	000's	kt	g/t	000's
Mercedes	20.09	7.53	5	74.06	2.79	7	94.15	3.80	12									
Aida	-	-	-	120.44	3.84	15	120.44	3.84	15									
Lupita	45.43	7.95	12	283.56	3.85	35	328.99	4.42	47									
Rey de Oro	31.36	8.43	8	342.51	3.80	42	373.87	4.19	50									
Barrancas	96.32	10.01	31	314.87	3.54	36	411.19	5.06	67									
Diluvio	-	-	-	2,054.79	3.10	205	2,054.79	3.10	205									
<b>TOTAL</b>	<b>193.20</b>	<b>9.01</b>	<b>56</b>	<b>3,190.22</b>	<b>3.31</b>	<b>339</b>	<b>3,383.42</b>	<b>3.63</b>	<b>395</b>									

**SILVER (Ag) PROVEN RESERVES PROBABLE RESERVES PROVEN+PROBABLE RESERVES**

ORE ZONE	Tonnes			Grade			Ounces			Tonnes			Grade			Ounces		
	kt	g/t	000's	kt	g/t	000's	kt	g/t	000's	kt	g/t	000's	kt	g/t	000's	kt	g/t	000's
Mercedes	20.09	89.84	58	74.06	21.71	52	94.15	36.25	110									
Aida	-	-	-	120.44	22.36	87	120.44	22.36	87									
Lupita	45.43	43.51	64	283.56	22.33	204	328.99	25.26	267									
Rey de Oro	31.36	119.66	121	342.51	39.82	438	373.87	46.51	559									
Barrancas	96.32	84.18	261	314.87	34.72	352	411.19	46.31	612									
Diluvio	-	-	-	2,054.79	16.50	1,090	2,054.79	16.50	1,090									
<b>TOTAL</b>	<b>193.20</b>	<b>80.97</b>	<b>503</b>	<b>3,190.22</b>	<b>21.66</b>	<b>2,222</b>	<b>3,383.42</b>	<b>25.05</b>	<b>2,725</b>									

Table 5: Detailed 2018 Mineral Resources for Gold and Silver at Mercedes Mine <sup>(2)</sup>

GOLD (Au)		MEASURED RESOURCES			INDICATED RESOURCES			M+I RESOURCES			INFERRED RESOURCES	
ORE ZONE	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces
	kt	g/t	000's	kt	g/t	000's	kt	g/t	000's	kt	g/t	000's
Marianas	-	-	-	21.45	18.39	13	21.45	18.39	13	644.84		
Klondike	2.66	4.70	0	45.42	3.36	5	48.08	3.44	5	27.88		
Lupita	41.30	2.59	3	355.31	3.63	41	396.62	3.52	45	59.45		
Barrancas	87.52	1.18	3	407.03	3.23	42	494.56	2.87	46	197.10		
Rey de Oro	32.72	8.07	8	477.71	2.75	42	510.43	3.09	51	194.80		
Mercedes	89.18	4.00	11	422.74	3.65	50	511.92	3.71	61	240.02		
Diluvio	-	-	-	1,272.59	3.33	136	1,272.59	3.33	136	356.09		
<b>TOTAL</b>	<b>253.39</b>	<b>3.33</b>	<b>27</b>	<b>3,001.26</b>	<b>3.41</b>	<b>329</b>	<b>3,254.65</b>	<b>3.41</b>	<b>356</b>	<b>1,720.17</b>		
<b>SILVER (Ag)</b>		<b>MEASURED RESOURCES</b>			<b>INDICATED RESOURCES</b>			<b>M+I RESOURCES</b>			<b>INFERRED RESOURCES</b>	
ORE ZONE	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces
	kt	g/t	000's	kt	g/t	000's	kt	g/t	000's	kt	g/t	000's
Marianas	-	-	-	21.45	10.50	7	21.45	10.50	7	644.84		
Klondike	2.66	52.29	4	45.42	39.77	58	48.08	40.46	63	27.88		
Lupita	41.30	21.65	29	355.31	32.61	373	396.62	31.46	401	59.45		
Barrancas	87.52	36.53	103	407.03	53.57	701	494.56	50.56	804	197.10		
Rey de Oro	32.72	128.03	135	477.71	54.79	842	510.43	59.48	976	194.80		
Mercedes	89.18	51.16	147	422.74	47.14	641	511.92	47.84	787	240.02		
Diluvio	-	-	-	1,272.59	23.06	943	1,272.59	23.06	943	356.09		
<b>TOTAL</b>	<b>253.39</b>	<b>51.23</b>	<b>417</b>	<b>3,001.26</b>	<b>36.93</b>	<b>3,564</b>	<b>3,254.65</b>	<b>38.05</b>	<b>3,982</b>	<b>1,720.17</b>		

## South Arturo Mine

Premier purchased its interest in the South Arturo property in mid-2015 with first production on August 1, 2016. At that time, the property hosted a mineral reserve (contained entirely within the Phase 2 pit) of 155,000 ounces of gold. Between 2016 and 2018, the Phase 2 pit realized total production attributable to Premier of some 167,000 ounces of gold and Premier estimates that some 11,000 ounces of gold currently remain stockpiled (ARSO and/or roaster) at Goldstrike from Phase 2 mining. Overall, this represents approximately 15% more ounces of production versus the original reserve estimate. Some 86% of current mineral reserves reside in the Phase 1 open pit that is currently under construction.

Table 6: Detailed 2018 Mineral Reserve for Gold for South Arturo <sup>(3)</sup>

GOLD (Au)		PROVEN RESERVES				PROBABLE RESERVES				PROVEN+PROBABLE RESERVES			
ORE LOCATION	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces	
	Mt	g/t	000's	Mt	g/t	000's	Mt	g/t	000's	Mt	g/t	000's	
Stockpiles	0.18	1.98	11	-	-	-	0.18	1.98	11	-	-	-	
Open Pit	1.32	3.32	141	1.27	2.33	95	2.59	2.84	236	-	-	-	
Underground	0.01	13.61	2	0.07	11.08	25	0.08	11.24	27	-	-	-	
<b>TOTAL</b>	<b>1.51</b>	<b>3.19</b>	<b>154</b>	<b>1.34</b>	<b>2.79</b>	<b>120</b>	<b>2.84</b>	<b>3.01</b>	<b>275</b>	-	-	-	

Table 7: Detailed 2018 Mineral Resources for Gold (exclusive of mineral reserves) for South Arturo <sup>(3)</sup>

GOLD (Au)		MEASURED RESOURCES				INDICATED RESOURCES				M+I RESOURCES				INFERRED RESOURCES			
ORE LOCATION	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces		
	Mt	g/t	000's	Mt	g/t	000's	Mt	g/t	000's	Mt	g/t	000's	Mt	g/t	000's		
Stockpile	0.12	0.97	4	-	-	-	0.12	0.97	4	-	-	-	-	-	-		
Open Pit	2.28	1.05	77	6.78	0.99	217	9.06	1.01	294	0.69	0.44	10	-	-	-		
Underground	0.002	12.11	1	0.03	10.04	11	0.04	10.16	12	0.07	9.73	22	-	-	-		
<b>TOTAL</b>	<b>2.40</b>	<b>1.06</b>	<b>82</b>	<b>6.82</b>	<b>1.04</b>	<b>228</b>	<b>9.22</b>	<b>1.05</b>	<b>310</b>	<b>0.76</b>	<b>1.30</b>	<b>32</b>	-	-	-		

Underground mineral reserves and resources currently reside entirely within the El Niño area which remains open for expansion. Drilling at El Niño in 2019, from surface and underground, will focus on expanding reserves and resources. Attractive exploration targets such as East Dee, where delineation drilling will be completed in 2019, and several other target areas offer potential for further MRMR growth.

### Advanced Exploration

Premier's two advanced exploration properties include Greenstone Gold (50%) located in the Geraldton-Beardmore Greenstone Belt, in Ontario and the McCoy-Cove Property in the Battle Mountain-Eureka Trend in northern Nevada. Only McCoy-Cove property is updated in this release.

### McCoy-Cove Property

In May 2018, Premier released a Preliminary Economic Assessment ("PEA") on the 100%-owned portion of the McCoy-Cove Property now referred to as the Cove Property. The PEA highlighted an NPV<sub>5</sub> of US\$143 million and an after-tax IRR of 48% for an underground mining plan of the Helen and Gap Zones. Included in the PEA was an updated MRMR statement that contains some 342,000 ounces of gold grading 11.22 g/t in the combined Measured and Indicated category. This represents a 50% increase in gold ounces versus the 2017 mineral resource estimate as a result of additional delineation drilling. In addition, some 1,322,000 ounces of gold grading 11.24 g/t has been estimated in Inferred resources. The remaining portion of the McCoy-Cove property currently contains no mineral resource. However, it is being actively explored by [Barrick Gold Corp.](#) under the terms of an Earn-in agreement which could see Barrick spend some US\$22.5M to earn a 60% interest in the property. Since the beginning of 2018, exploration results from the McCoy-Cove joint venture and Cove Property highlighted a greater than 4 km footprint of Carlin-style chemistry that remains open at McCoy-Cove. Also, the Favret formation, a highly receptive limestone host of high-grade Carlin-style mineralization, remains largely untested on a property-wide basis.

Stephen McGibbon, P. Geo., is the Qualified Person for the information contained in this press release and

is a Qualified Person within the meaning of National Instrument 43-101.

Premier Gold Mines Limited is a gold-producer with a respected exploration and development pipeline of high-quality precious metal projects in proven, accessible and safe mining jurisdictions in Canada, the United States, and Mexico. Premier remains focused on creating a low-cost, mid-tier gold producer through its two producing gold mines - South Arturo and Mercedes - as well as mine development opportunities at McCoy-Cove in Nevada and Hardrock in Ontario.

#### End Notes

- (1) GREENSTONE GOLD: Mineral reserves and resources were calculated at a gold price of US\$1250 and US\$1320 respectively. The current independent technical report on the property, dated December 21, 2016, is entitled "Hardrock Project, Ontario, Canada" was completed by G Mining Services Inc.
- (2) MERCEDES: For 2018, mineral reserves and mineral resources were calculated under the supervision of Stephen McGibbon, Executive Vice-President of Project & Corporate Development at [Premier Gold Mines Ltd.](#) at gold prices of US\$1200 and US\$1400 and silver prices of US\$16.50 and US\$19.25 respectively. The independent technical report on the property dated April 18, 2018, entitled "TECHNICAL REPORT ON THE MERCEDES GOLD-SILVER MINE, SONORA STATE, MEXICO" provides detail on resource estimate methodologies and assumptions.
- (3) SOUTH ARTURO: Calculations have been prepared by employees of Barrick under the supervision of Rick Sims, Vice President, Resources and Reserves, of Barrick, Geoffrey Locke, Manager, Metallurgy, of Barrick and Mike Tsafaras, P. Eng., Manager, Value Realization of Barrick. Except as noted below, reserves have been estimated based on an assumed gold price of US\$1,200 per ounce, an assumed silver price of US\$16.50 per ounce
- (4) MCCOY-COVE: Mineral resources at Cove were estimated using a gold price of US\$1400 per ounce. One ounce of gold is equivalent to 140 ounces of silver. The current independent technical report on the property, dated June 29, 2018, is entitled "PRELIMINARY ECONOMIC ASSESSMENT FOR THE COVE PROJECT, LANDER COUNTY, NEVADA" and was completed by Practical Mining LLC
- (5) HASAGA: Mineral resources at Hasaga were estimated using a gold price of US\$1400 per ounce. The current independent technical report on the property, dated February 24, 2017, is entitled "NATIONAL INSTRUMENT 43-101 TECHNICAL REPORT: HASAGA PROJECT, RED LAKE MINING DISTRICT, This ON RELEASE AND DATE 2018 MAY 22ND BY 1014 forward-looking information under applicable Canadian securities legislation. Forward-looking information includes, but is not limited to, statements about strategic plans, including future operations, future work programs, capital expenditures, discovery and production of minerals, price of gold and currency exchange rates, timing of geological reports and corporate and technical objectives. Forward-looking information is necessarily based upon a number of assumptions that, while considered reasonable, are subject to known and unknown risks, uncertainties, and other factors which may cause the actual results and future events to differ materially from those expressed or implied by such forward-looking information, including the risks inherent to the mining industry, adverse economic and market developments and the risks identified in Premier's annual information form under the heading "Risk Factors." There can be no assurance that such information will prove to be accurate, as actual results and future events could differ materially from those anticipated in such information. Accordingly, readers should not place undue reliance on forward-looking information. All forward-looking information contained in this press release is given as of the date hereof and is based upon the opinions and estimates of management and information available to management as at the date hereof. Premier disclaims any intention or obligation to update or revise any forward-looking information, whether as a result of new information, future events or otherwise, except as required by law.

SOURCE [Premier Gold Mines Ltd.](#)

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