

## Goldwind Wind Turbines Shipment Facts – July 2020

Port of Entry: Port of Vancouver USA  
Ship name: Star Kilimanjaro  
Wind Project Developer: Potentia Renewables, Inc.  
Project: Golden South Wind Project  
Project Location: Assiniboia, Saskatchewan, Canada  
Manufacturer: Goldwind

### Vessel:

Name: Star Kilimanjaro  
Operator: G2 Ocean  
Length: 208 Meters  
Breadth: 32 Meters  
Built: 2009

### Port Cranes:

Two port-owned Liebherr mobile harbor cranes

### Inland Transportation:

Hauler is Totran Transportation Services based in Calgary, Alberta with an office in Conroe, Texas. They are an independently owned and operated Canadian company operating across North America in specialized heavy-haul transportation.

### Goldwind Blade Specifications:

The Golden South Wind Project will utilize 50 of Goldwind's latest wind turbine series, the GW4S megawatt (MW) platform, which feature a rated capacity of 4.2 megawatts, and 136 and 155-meter rotor diameters. This first shipments of components in May included nine sets of blades for the 136-meter rotor diameter (or individual 67-meter blades). This latest delivery included the remaining 155-meter rotor blades (or individual 76-meter blades).

### Goldwind Wind Turbines:

Goldwind specializes in the manufacturing of Permanent Magnet Direct Drive (PMDD) wind turbine generators. By eliminating a failure-prone gearbox, PMDD technology requires fewer components with only one moving part in the drivetrain, further reducing the lifetime maintenance costs of the turbine. The end result is less downtime, meaning an overall increase in turbine availability and increased energy production.

The GW4S turbine series is a direct evolution of Goldwind's portfolio of PMDD wind turbine generators that offer best-in-class energy production, smarter controls and industry-leading availability.

The Golden South Wind Project will consist of 50 4.2-megawatt wind turbines with both 136- and 155-meter rotors at a hub height of 110 meters.

	Shipment 1 – May 2020	Shipment 2 – July 2020
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Rotor Diameters	136 meters (~446 feet)	155 meters (~508 feet)
Blade Lengths	67 meters (~220 feet) * Equal to a 747 wingspan * Equal to the height of the 15-story Public Service Building in downtown Portland	76 meters (~250 feet) * Almost as tall as the Statue of Liberty
Wind Turbine Hub Height Distance from base to where blades attach	110 meters (~360 feet)	110 meters (~360 feet)
Tip Height Distance from base to tip of blade at highest point	180 meters (~590 feet) * Taller than the Washington Monument	188 meters (~617 feet)

**About Goldwind Americas:**

Headquarters: Chicago, Illinois

Goldwind Americas, the North American subsidiary of Goldwind Science & Technology Co., Ltd (SZSE: 002202) (HK: 2208), is a world leading wind turbine technology and energy solutions provider. Goldwind's revolutionary Permanent Magnet Direct Drive (PMDD) technology is shaping a new standard in wind energy. Goldwind has more than 60 gigawatts of installed turbines globally, with more than 625 megawatts in North America and 410 expected to come online by Q1 2021. Goldwind Americas offers a full suite of innovative renewable energy solutions, including equipment sales, service, engineering, and capital. Goldwind Americas is a tradename of Goldwind USA, Inc. To learn more, visit [www.goldwindamericas.com](http://www.goldwindamericas.com).

**About Potentia Renewables Inc.:**

Headquarters: Toronto, Ontario Canada

Potentia Renewables Inc. is a fully integrated developer, owner, and operator of solar and wind energy assets. It is 100% owned by Power Energy Corp., a wholly-owned subsidiary of Power Corporation of Canada, traded on the TSX under the ticker POW. Potentia is the largest rooftop solar company in Canada and currently operates more than 700 installations, representing close to 200 MW. With operations in the US and assets under construction in Latin America, Potentia has recently been awarded four large contracted wind assets in Western Canada. Potentia's construction plans for these sites represents more than 625 MW of wind power to come online over the next two years. For more information about Potentia, see [www.potentiarenewables.com](http://www.potentiarenewables.com).

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**Golden South Wind Project:**

Location: Assiniboia, Saskatchewan.

The Golden South Wind Project is a significant renewable energy infrastructure investment that consists of 50 Goldwind PMDD wind turbines and is located approximately 140 km southwest of Regina and 150 km southeast of Swift Current. The Project was the successful proponent of the 2018 SaskPower request for proposals and has executed a 200 MW, 25-year power purchase agreement with SaskPower to supply both energy and environmental credits. At the height of construction, the project will employ 220 people to build the wind farm and up to 10 people will be involved in the long-term operations of the project. Golden South will generate approximately 900,000 megawatt-hours of electricity, eliminating over 500,000 tons of carbon from the electricity grid. The carbon reduction is equivalent to eliminating the pollution from half the vehicles in Regina or Saskatoon, Saskatchewan.

The Project is expected to come into commercial operation by Q1 2021.

**Clean Energy Investment:** The Golden South Wind Project is a \$325 million investment. Increasing renewable capacity is a major component of the provincial climate change strategy, Prairie Resilience, and the Golden South Wind Project will bolster SaskPower's efforts toward meeting their goal of reducing greenhouse gas emissions 40% by 2030.

Potentia has now commenced on its \$1 billion build-out program for wind energy in Western Canada over the next 24 months. Potentia was also the tender winner for three projects in Alberta for more than 300 MW. These projects will also commence construction later this year.

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