

# Sustainable Energy Group

Introduction Presentation

APRIL 2021

**CPP**  **investments**



# Our Sustainable Energy Group

CPP Investments is creating the **Sustainable Energy Group (SEG)**, a new investment group that combines the organization's expertise in renewables, conventional energy and new technology and service solutions.

SEG will generate compelling investment opportunities for the Fund, positioning CPP Investments as the leading global energy investor.

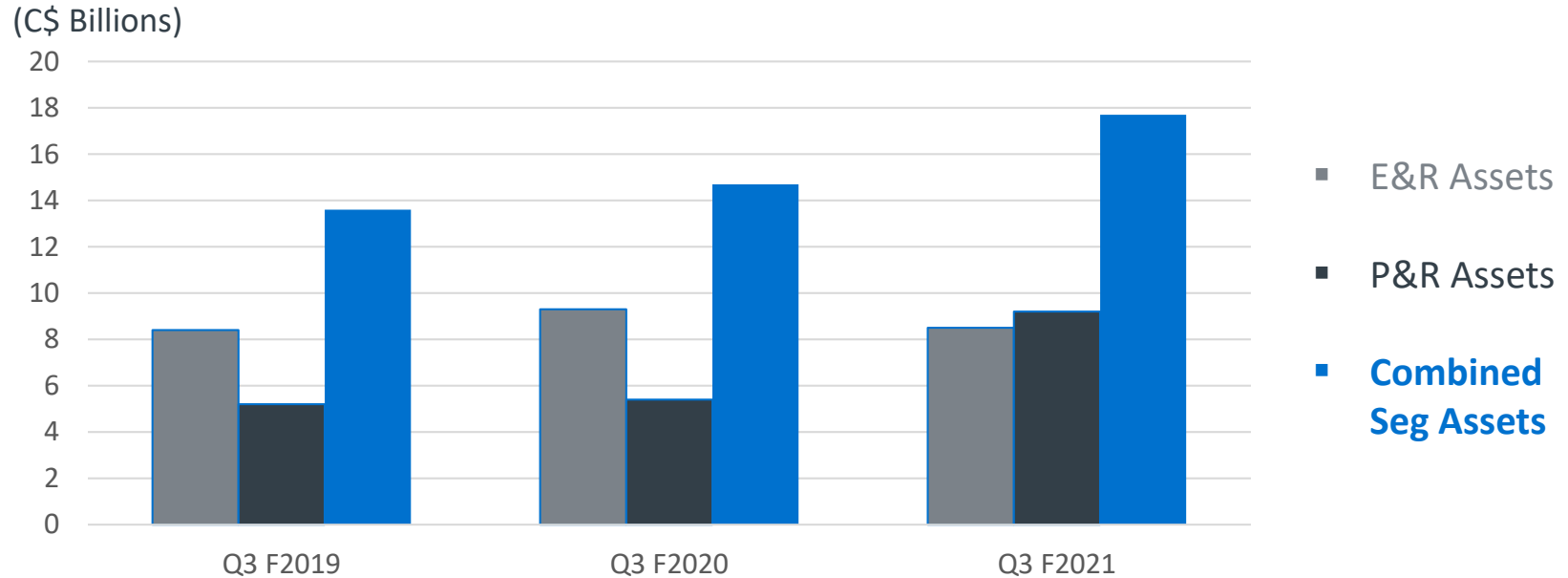


# Combined group will be more competitive and flexible in dynamic global energy sector



*(Figures in C\$ and as at December 31, 2020)*

# SEG holdings growth over past three years



# Significant market opportunity



The energy sector is one of the most important enablers of the global economy and is composed of a wide spectrum of suppliers from conventional to renewable. Along our unique investment horizon, we see a dramatic opportunity to invest in, and support, the evolution and innovation occurring across the sector.

CPP Investments is exceptionally well placed to be among the winners, in part through our partnership model alongside companies willing to grasp the future and forge ahead.

**Deborah Orida**  
Senior Managing Director & Head of Real Assets Department  
CPP Investments

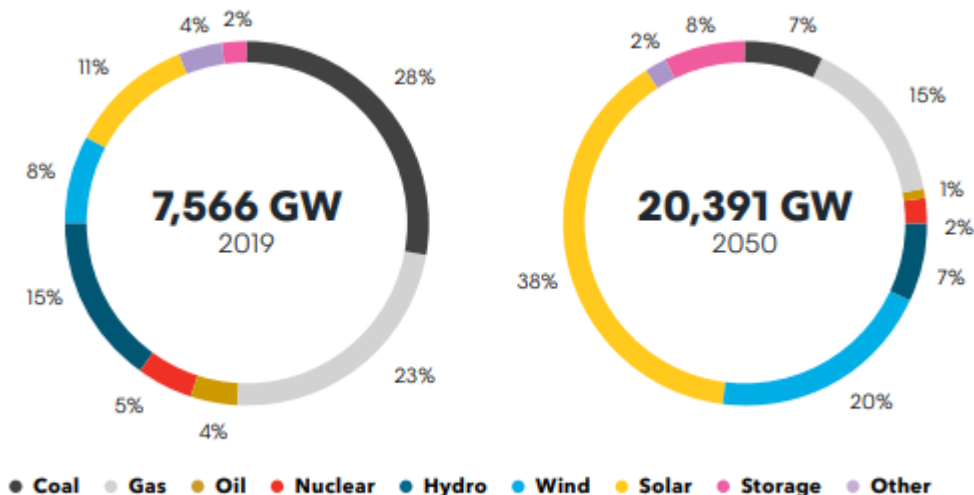


# Large, growing and dynamic global energy sector

Sustainable energy represents a massive market opportunity.

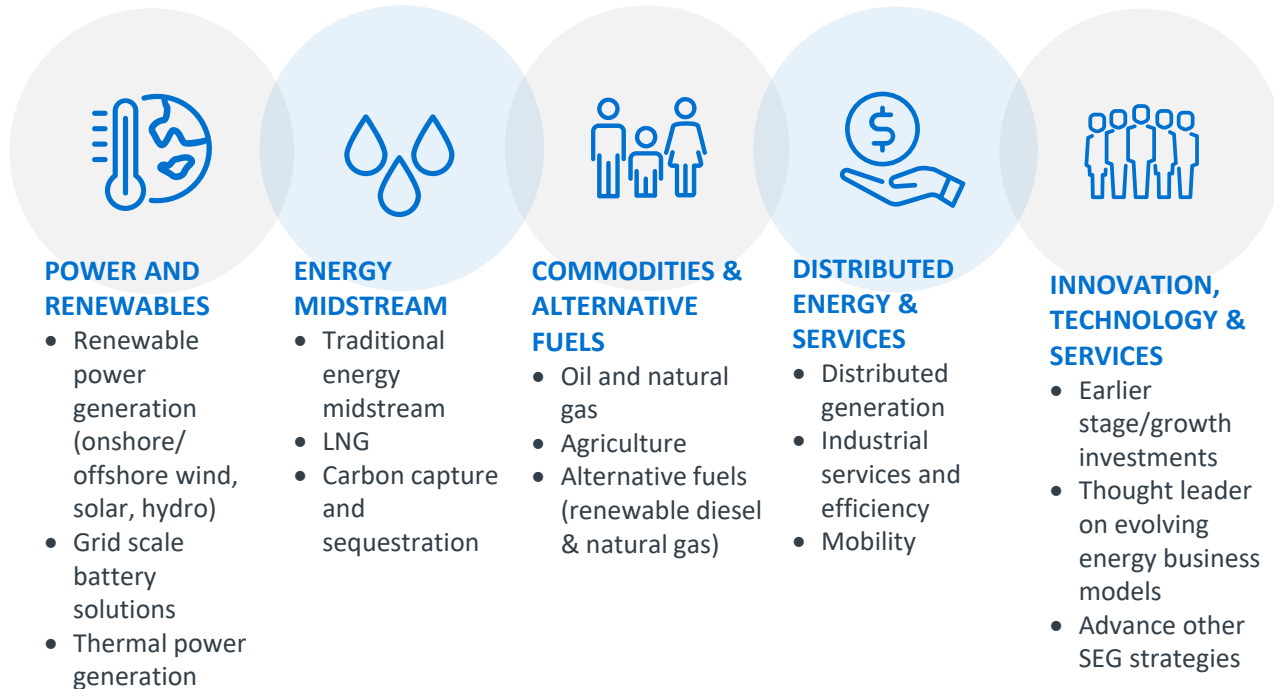
According to the [Bloomberg New Energy Outlook 2020](#) report, approximately US\$15.1 trillion is set to be invested in new power capacity alone by 2050.

**Figure 4: Global installed capacity mix, 2019 and 2050**



Source: BloombergNEF

# SEG will have 5 key sub-sector strategies



# Sustainable Energy Group investment examples



Wolf Midstream is an investment vehicle formed in September 2015 to invest in midstream energy infrastructure assets in Western Canada. Wolf's Carbon Business Unit constructed and operates the Alberta Carbon Trunk Line (ACTL) system – the world's newest integrated large-scale carbon capture, utilization and storage system. *(Initial Investment: 2015)*



Pattern Energy is a leading U.S.-based independent renewable energy company with 3.4GW of operating wind and solar projects in North America and Japan. Pattern owns, operates and develops renewables assets globally, selectively pursuing new developments across wind, solar, transmission, storage and advanced energy technologies. *(Initial Investment: 2020)*



ChargePoint has been committed to making it easy for businesses and drivers to go electric since 2007, with a significant EV charging network and complete set of charging solutions available today. *(Initial Investment: 2019)*



The consortium formed by the 50/50 joint venture between Votorantim Energia and CPP Investments acquired a controlling stake in Companhia Energética de São Paulo (CESP) in 2018. CESP is one of the largest hydropower generators in Brazil and owns and operates the Porto Primavera hydropower plant (1,540 MW installed capacity) through a concession expiring in 2028. *(Initial Investment: 2018)*



CPP Investments acquired 49% of Enbridge's interest in select North American onshore renewable power assets and two German offshore wind projects. In addition, CPP Investments and Enbridge entered into an agreement whereby the two parties will form a 50-50 joint venture – Maple Power – to pursue future European offshore wind projects. *(Initial Investment: 2018)*



# Significant market opportunity



The creation of the Sustainable Energy Group with significant, flexible capital positions us extremely well to pursue the best market opportunities across the entire energy spectrum. This, coupled with a deep, highly experienced team, will allow SEG to generate significant long-term value for the Fund.



**Bruce Hogg**  
Managing Director & Head of Sustainable Energy Group  
CPP Investments



# Our Fund-wide approach to Sustainable Investing

At CPP Investments we consider responsible investing simply as intelligent long-term investing.

Over the exceptionally long investment-horizon over which we invest, ESG factors have the potential to be significant drivers – or barriers – to profitability and shareholder value. Read our [2020 Sustainable Investing Report](#) here.



[Click to view the video above.](#)

# About Sustainable Energy Group (SEG)

SEG takes advantage of growing market opportunities as the energy sector evolves and global power demand grows, especially for low-carbon energy alternatives.

The SEG group was created because CPP Investments' scale, flexibility and long-term horizon align with the energy and power industry's dynamics, allowing us to better access attractive investments. The group holds a diversified portfolio primarily comprised of long-term tangible assets, including renewable energy sources such as wind, solar and hydro, as well as conventional power, upstream oil & gas, energy midstream, carbon capture and Liquefied Natural Gas (LNG). It also invests in areas of innovation, technology and services to the energy industries and manages agriculture investments.

SEG had approximately \$18 billion in assets as at December 31, 2020.



# About CPP Investments

Canada Pension Plan Investment Board (CPP Investments™) is a professional investment management organization that manages the Fund in the best interest of the more than 20 million contributors and beneficiaries of the Canada Pension Plan. In order to build diversified portfolios of assets, investments are made around the world in public equities, private equities, real estate, infrastructure and fixed income. Headquartered in Toronto, with offices in Hong Kong, London, Luxembourg, Mumbai, New York City, San Francisco, São Paulo and Sydney, CPP Investments is governed and managed independently of the Canada Pension Plan and at arm's length from governments. At December 31, 2020, the Fund totalled C\$475.7 billion.

For more information about CPP Investments, please visit [www.cppinvestments.com](http://www.cppinvestments.com) or follow us on [LinkedIn](#), [Facebook](#) or [Twitter](#).

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