

## ORIGINAL ARTICLE



# *Economic Recovery After Covid -19 Pandemic*

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### Abstract

In this paper, we consider how to address the devastation brought on the Canadian Economy from the covid19 pandemic. We conclude 9.5 million jobs could be created in a way that maximized the impact of government spending. Figure, well know from Astrotheology Math, are used to ensure the highest levels of job creation for the investment of \$340 B CDN

Keywords: Covid 19, coronavirus, pandemic, GDP, economic recovery

## 1 | INTRODUCTION

After listening to a TV program on CNN about the impact of the Covid 19 virus on the US economy, especially restaurants, many of which are set to fail in the upcoming months and years, I thought it wise to make a plan for government spending from 1931-25, much like President FDR did in the Great Depression building the Hoover Dam in Nevada or the Grand Coulee Dam built from 1933-42 in Washington. The Empire State Building in New York City was started in the midst of the Great Depression in 1930 and finished in 1931.

The world has a need for infrastructure including countries such as Canada, the USA, and China not to mention African countries who have the greatest need of civil engineering works. Concurrently the world has a environmental emergency that requires investment in renewable energy; green transportation; clean water, air, and soil. The question is how to solve both massive problems at once? The answer lies in investing in civil engineering works and retrofitting and rehabilitation of existing civil engineering works in Canada, the US and around the world.



**FIGURE 1:** GrandCoulee Dam Under Construction

Civil Engineering works include things like buildings; bridges; roads and highways; airports and ports;

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FIGURE 2: EmpireState Building

renewable energy projects such as wind, solar, and nuclear; water projects such as hydroelectric dams; water and sewer systems; and flood control; and landfills.

Of course, these projects carry a high price tag. Infrastructure has been largely ignored and deteriorating for decades in Canada and the US. Other countries such as China are building many of these projects for the first time. And China and Russia invest in Africa to help the Africans build their economies.

Making use of AT Math, we show that massive GDP spending can create over 9 million jobs, including spin off industries such as restaurants.

Canadian GDP:

for 2017:

\$1.653 T USD 2017

Multiplier=1/7=14.28%

14.28% x \$1.653= \$3.1473 B USD

14.28% x 3.14 B=4482

=mass

Ln 4.482=1.5=1/G

7x 3.14=22

(14.28)<sup>7</sup>=12.10~U.V.

12.10/3=403.6=Re

Job Creation:

\$340B/38M people=\$9189/person

Family of 4:

\$9189 x4=\$36756/family

\$340 B/\$36,756=9250190~9.25M jobs created

(\$3.14B)<sup>7</sup>=\$3.009 T Return on Investment

u.v.=12.82/3.009=0.4273~Pi-e=cuz

\$340B/5 years= \$68 B /year less 50% taxation=\$34 B

\$34/year/ \$340 B =10% /year of GDP of spending on infrastructure for 9.25 M new jobs.

\$34B/9.25 M jobs=\$3645 /job

The same calculations can be done for the US economy which has a \$19.39 T USD Economy.

## 2 | CONCLUSION

The Grand Coulee Dam was built just before the start of WW2. All the energy supply was available to manufacture aluminum airplanes for the war; thus beginning Boeing which employs over 100 thousand workers today. The benefits of green infrastructure investment today will not only help with the covid 19 employment loss problem, but also will pay dividends for generations of citizens.

## 3 | REFERENCES

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