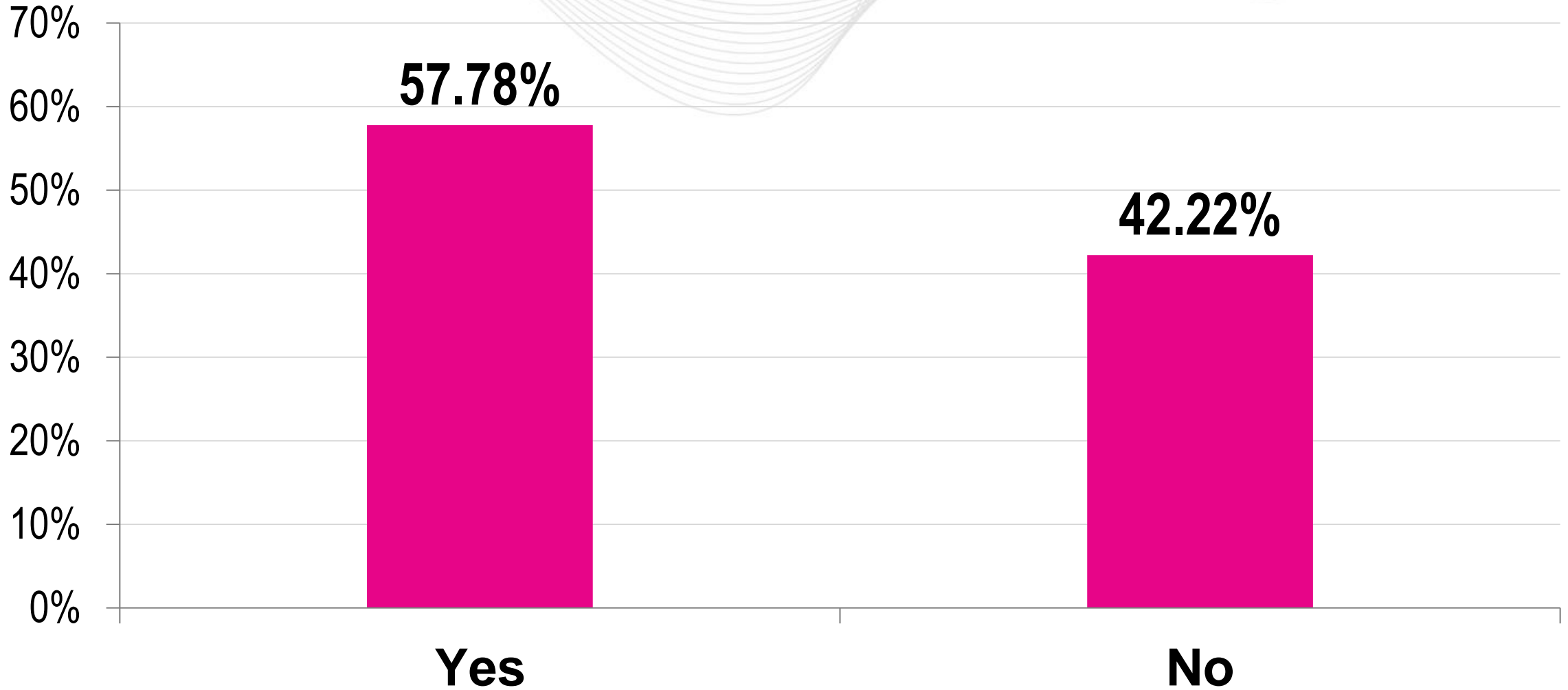


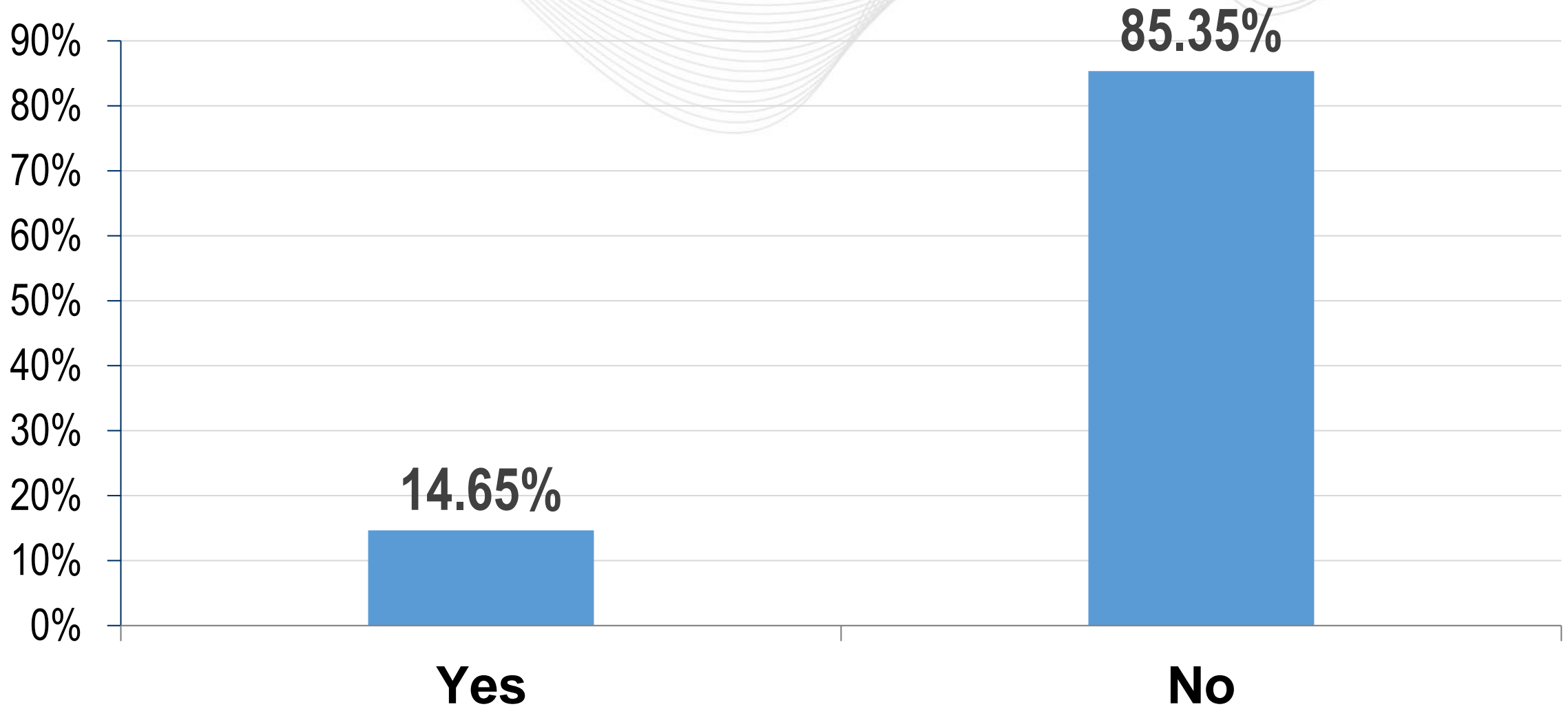
Fuel Requirements for Black Start Resources Poll Results

PJM Interconnection
OC/MIC Fuel Requirements for Black
Start Resources
January 27, 2020

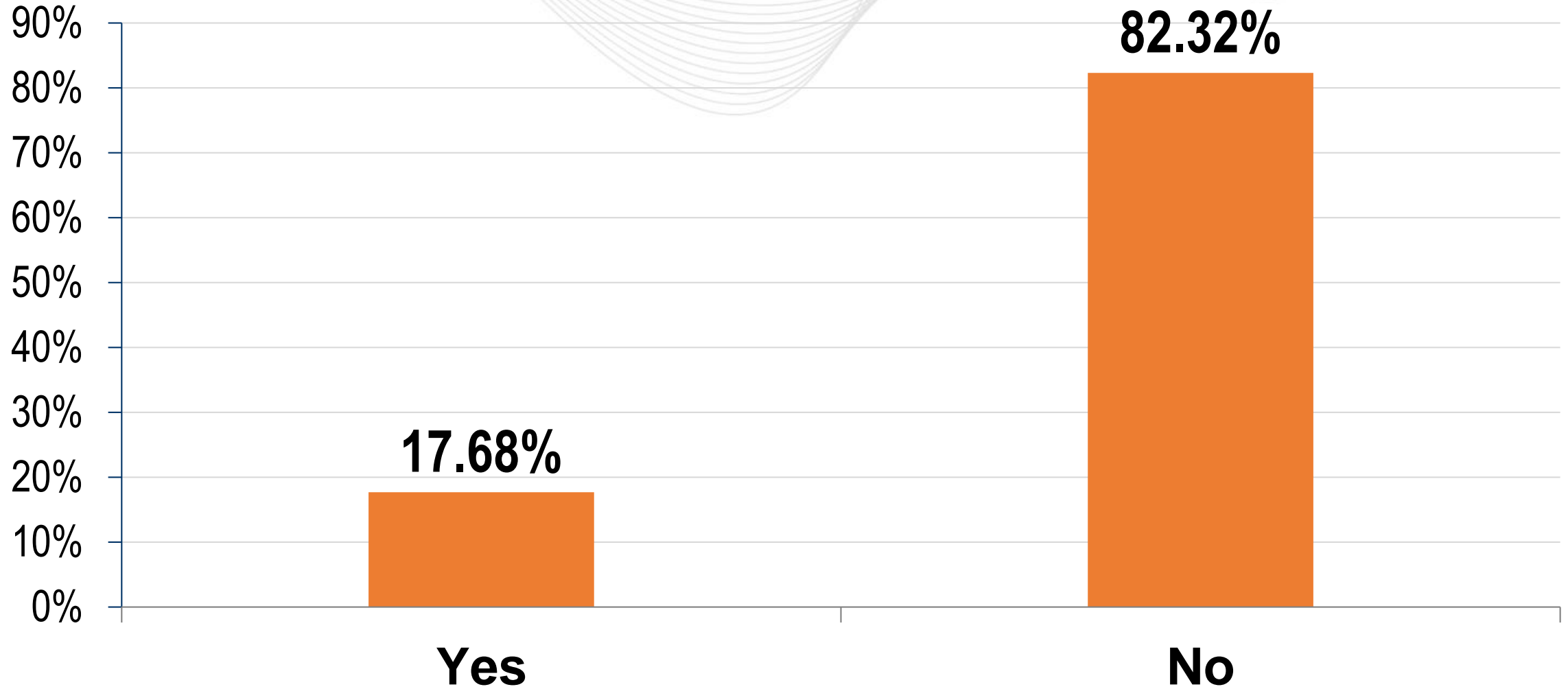
Can you support Package A (PJM)?



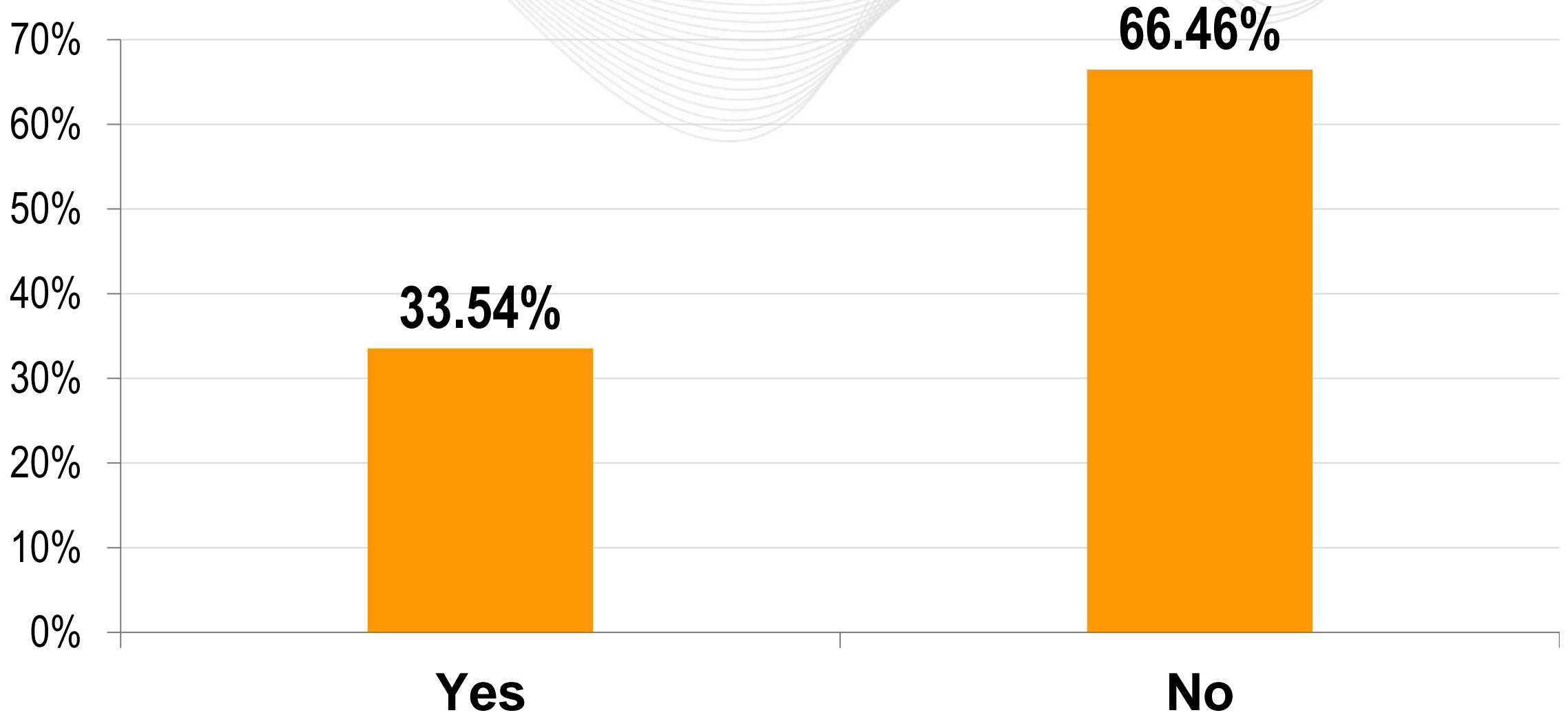
Can you support Package B (IMM)?

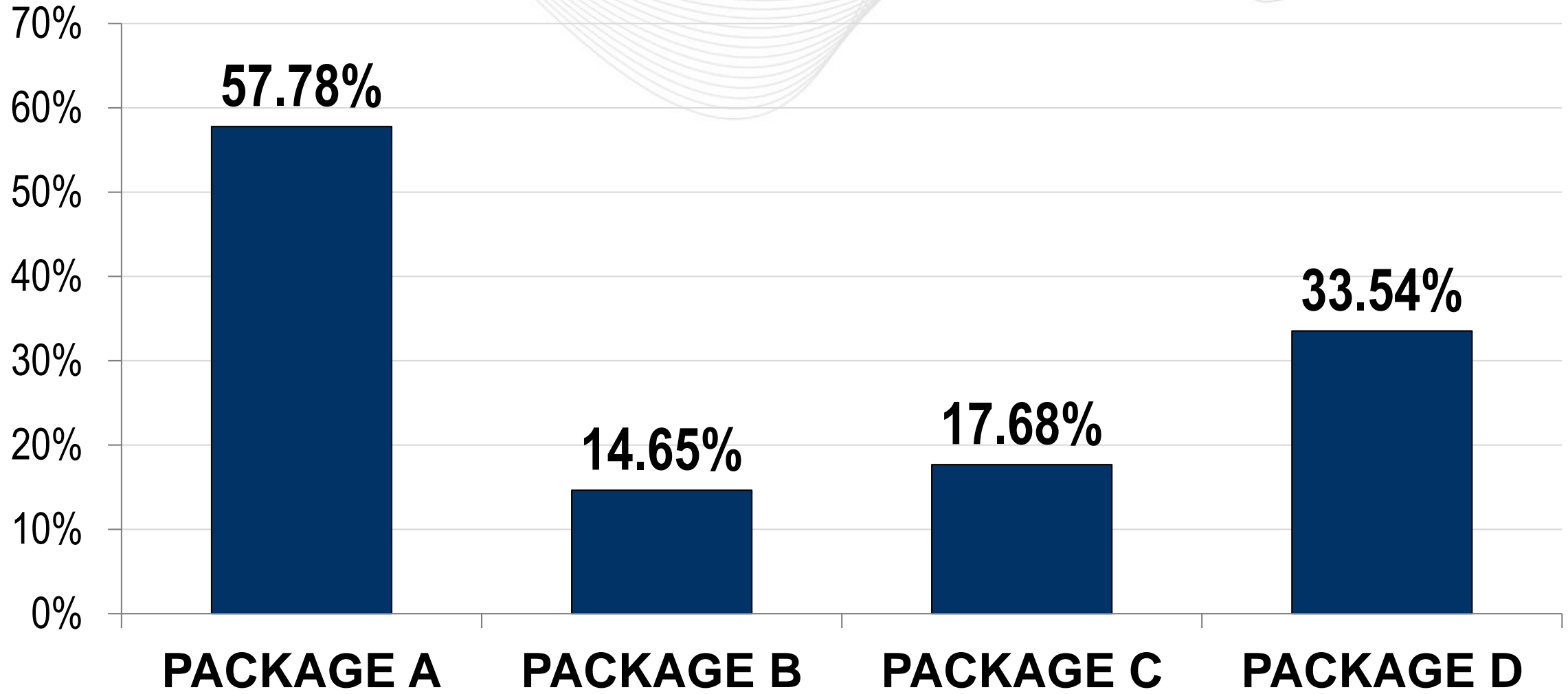


Can you support Package C (Calpine)?

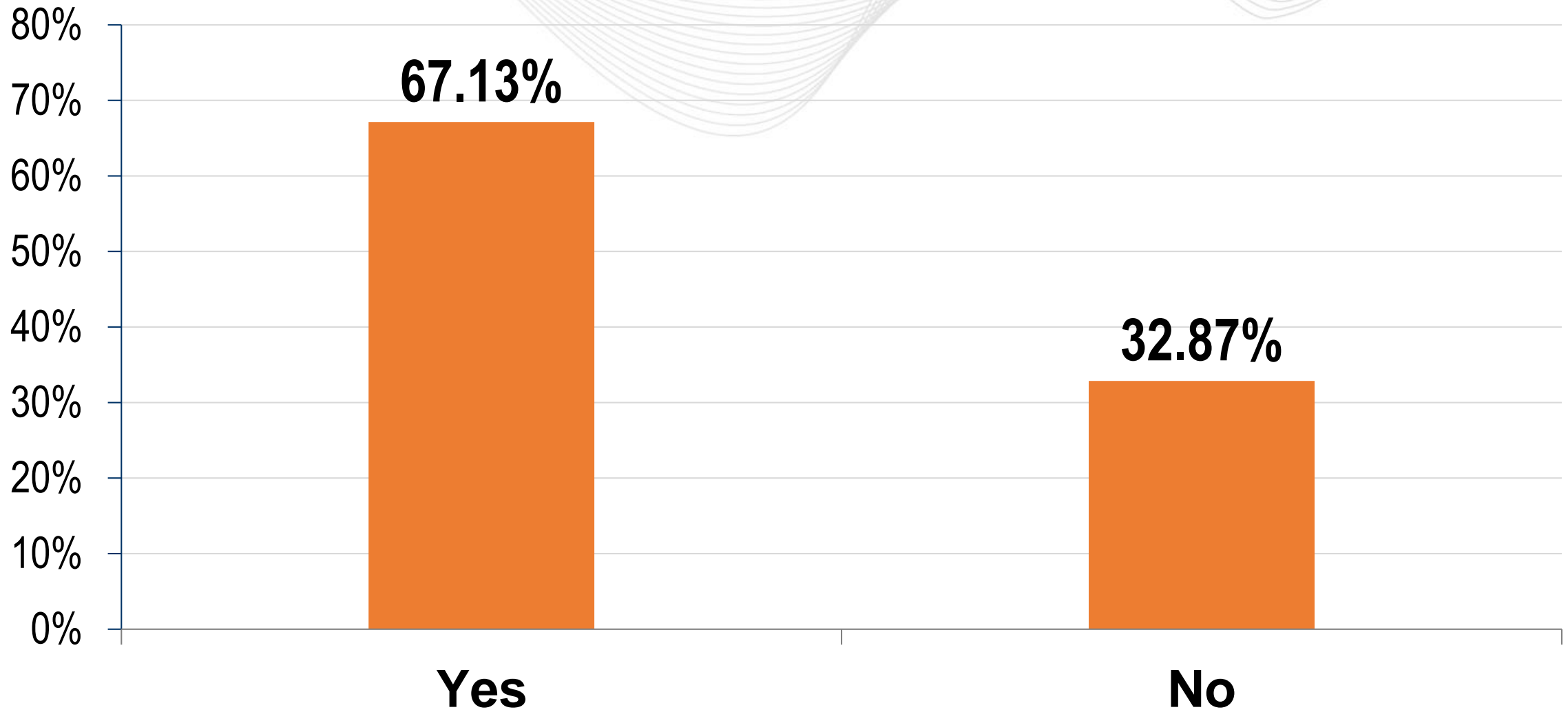


Can you support Package D (Office of the People's Counsel for DC)?

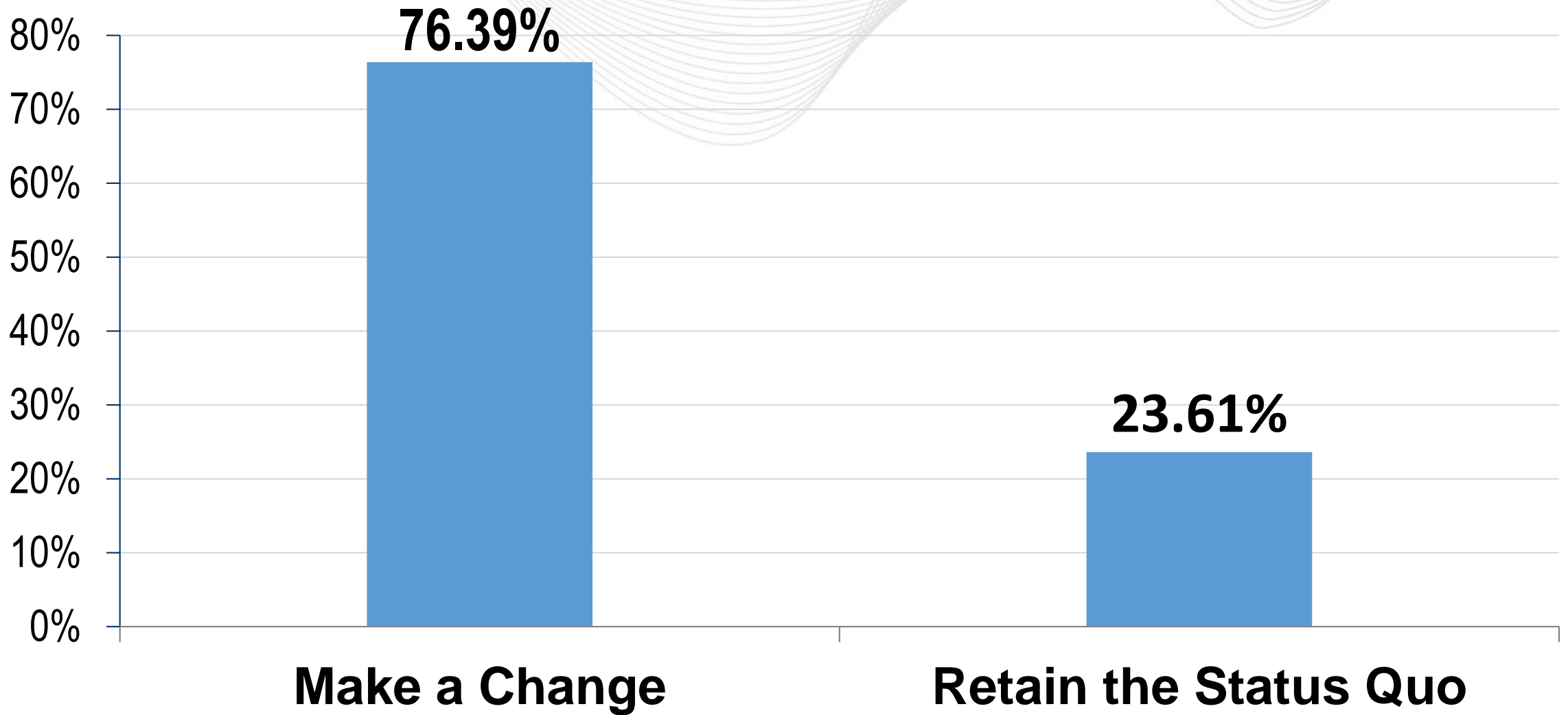




Is your organization open to considering a different method of cost allocation than the status Quo?



Do you prefer to make a change or to retain the status quo?





Fuel Requirements for Black Start Resources Preliminary Cost Projections

Level of Fuel Assurance	Capital Cost to convert Black Start fuel assured units	Increase in Annual Revenue Requirement for Capital Recovery Period <i>(Note: Current BS Annual Revenue Requirement = \$65M/yr.)</i>
All black start resources allocated to a TO zone (<i>PJM, IMM Packages</i>)	\$513M	\$156M/yr.
50% of black start resources allocated to a TO zone	\$177M	\$56M/yr.
Minimum of two black start resources allocated to the TO zone at separate sites (<i>2 stations per TO zone</i>)	\$103M	\$30M/yr.
Minimum of two black start resources allocated to the TO zone, but resources can be at the same station	\$65M	\$13M/yr.
Minimum of one black start resource or maximum of 50% (on a unit count basis) fuel assurance conversion for each TO zone (<i>DC Package</i>)	\$13M	\$5M/yr.