

## E-Bike Regulatory Authority Safety Nexus Matrix

| Entity            | Set the rules of the road (Conduct Based Use/Access)? | Legally define e-bikes vs. motor vehicles as consumer products? | Voluntarily set more stringent safety standards than federal baseline for consumer products? |
|-------------------|-------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| CPSC/<br>Congress | NO                                                    | YES                                                             | NO (CPSC; must obey the law)<br><br>YES (Congress, by amending the law)                      |
| State Governments | YES                                                   | NO                                                              | NO                                                                                           |
| Manufacturers     | NO                                                    | NO                                                              | YES                                                                                          |

## Engineering Terminolgy and Distorted Usage

| <b>“Watts”<br/>Term</b>                                   | <b>Definition<br/>as Applied</b>                         | <b>Engineering<br/>Purpose of<br/>Term</b>                                                   | <b>Legal<br/>Impact</b>                                        | <b>PFB<br/>Treatment</b>                                                       | <b>Cartel<br/>Treatment</b>                                         |
|-----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------|
| <b>Nominal or<br/>Continuous<br/>Electrical<br/>Power</b> | Maximum indefinitely sustained thermal capacity of motor | Correct engineering of and installation of electrical power sources                          | Only indirectly relevant. Can be used to calculate mech. power | Lynchpin of false PFB legal definition. Not stated in vague PFB model law      | Understated to comply with exceedingly stringent European standards |
| <b>Peak<br/>(Surge)<br/>Electrical<br/>Power</b>          | Momentary surge of electrical power to overcome inertia  | Same                                                                                         | None                                                           | Unknown                                                                        | Deceive public to believe 'peak' means boosted sustained power      |
| <b>Mechanical<br/>Power</b>                               | Physical power output at the motor shaft                 | Measure of physical power output; performance, the “useful power” Mr. Moore is enamored with | The Standard of Federal Law.                                   | Invisible to PFB who claims there is no federal guidance though plainly stated | Avoided entirely except indirectly by switch to terms of torque     |