Relationship between F, E, U_E, V

<table>
<tr><td></td><td>Vector</td><td>Number ("scalar")</td></tr>
<tr><td>Property of interacting charges</td><td>F [N]

Ex: $F = k\dfrac{q_1 q_2}{r^2}$</td><td>$U_E$ [J]

Ex: $U_E = k\dfrac{q_1 q_2}{r}$</td></tr>
<tr><td>Property of point in space</td><td>E [N/C]=[V/m]
$E \equiv F/q$
Ex: $E = k\dfrac{q}{r^2}$</td><td>V [J/C]=[V]
$V \equiv U_E/q$
Ex: $V = k\dfrac{q}{r}$</td></tr>
</table>

Why so many ways to describe electric force?