

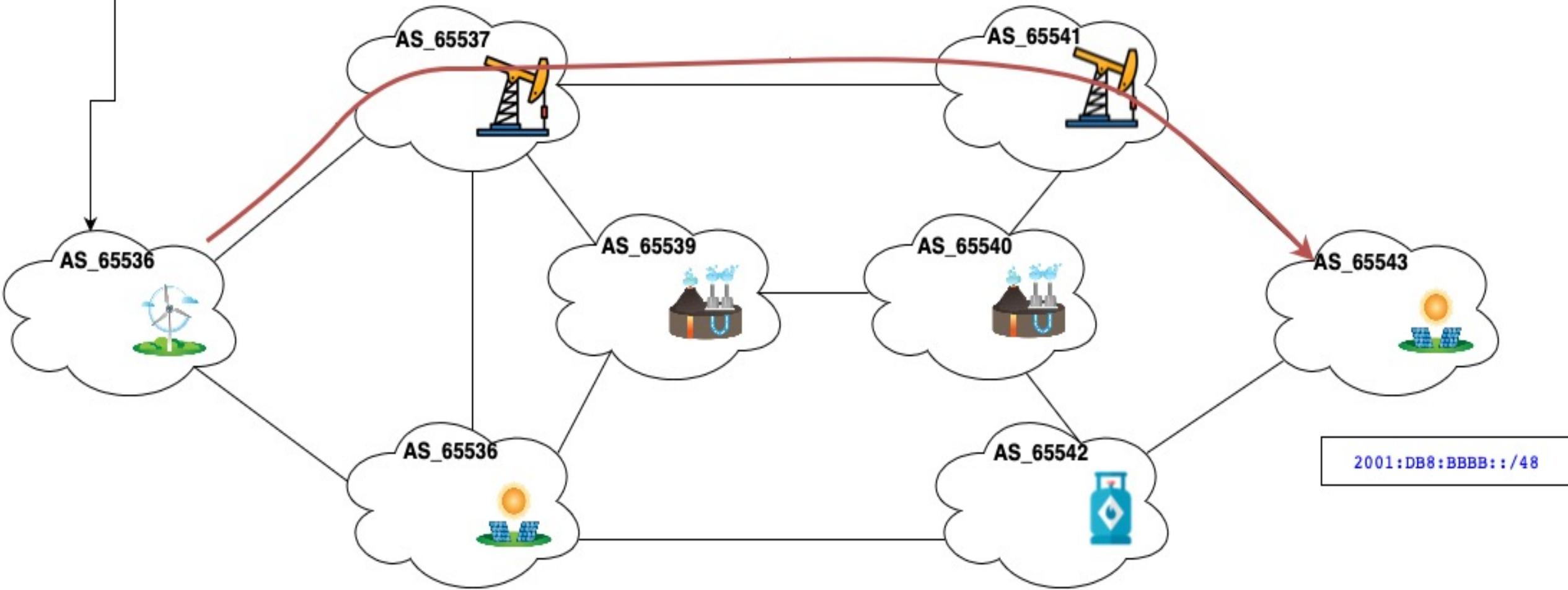
Why Inter-AS CAR metric should be different to Intra-AS

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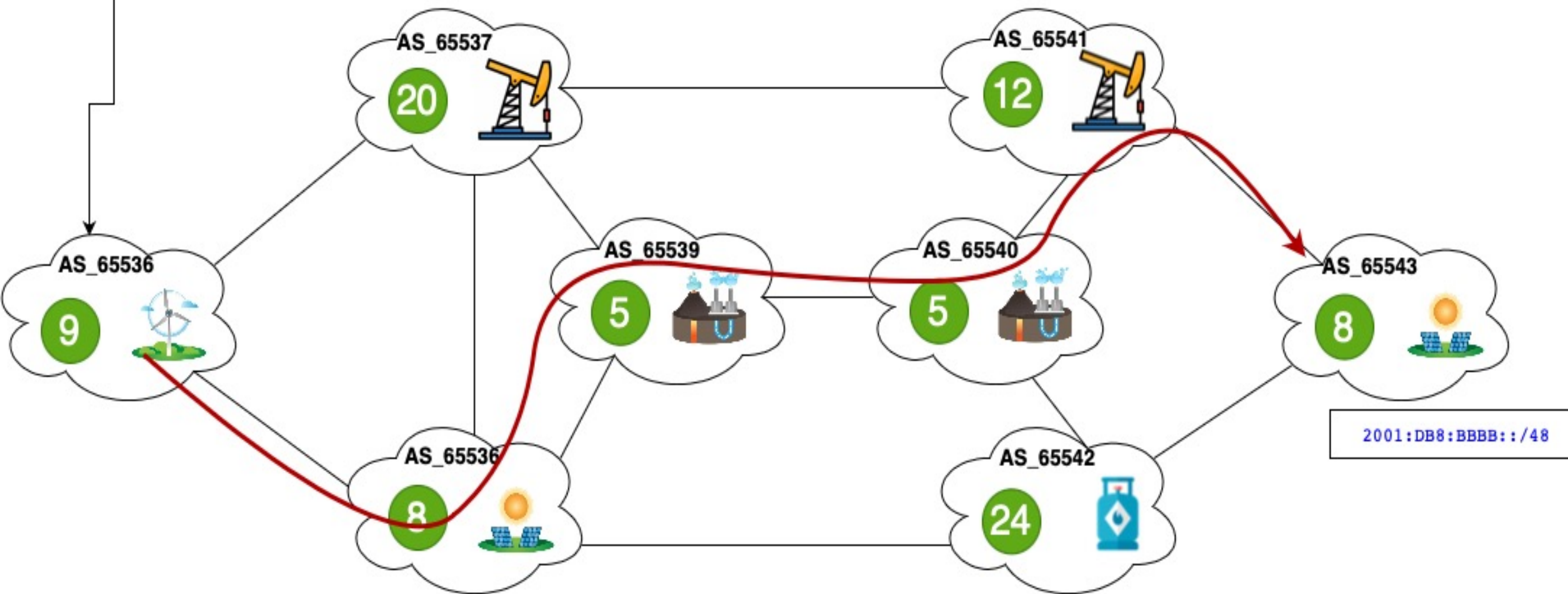
Standard Inter-Domain Routing

```
BGP_RIB  
*> 2001:DB8:BBBB::/48  
AS_PATH ^65537_65541_65543$
```



Carbon-Aware Inter-Domain Routing

```
BGP_RIB
*> 2001:DB8:BBBB::/48
AS_PATH ^65538_65539_65540_65541_65543$
CAR_PATH ^8_5_5_12_8$
CAR_Metric: 38
```

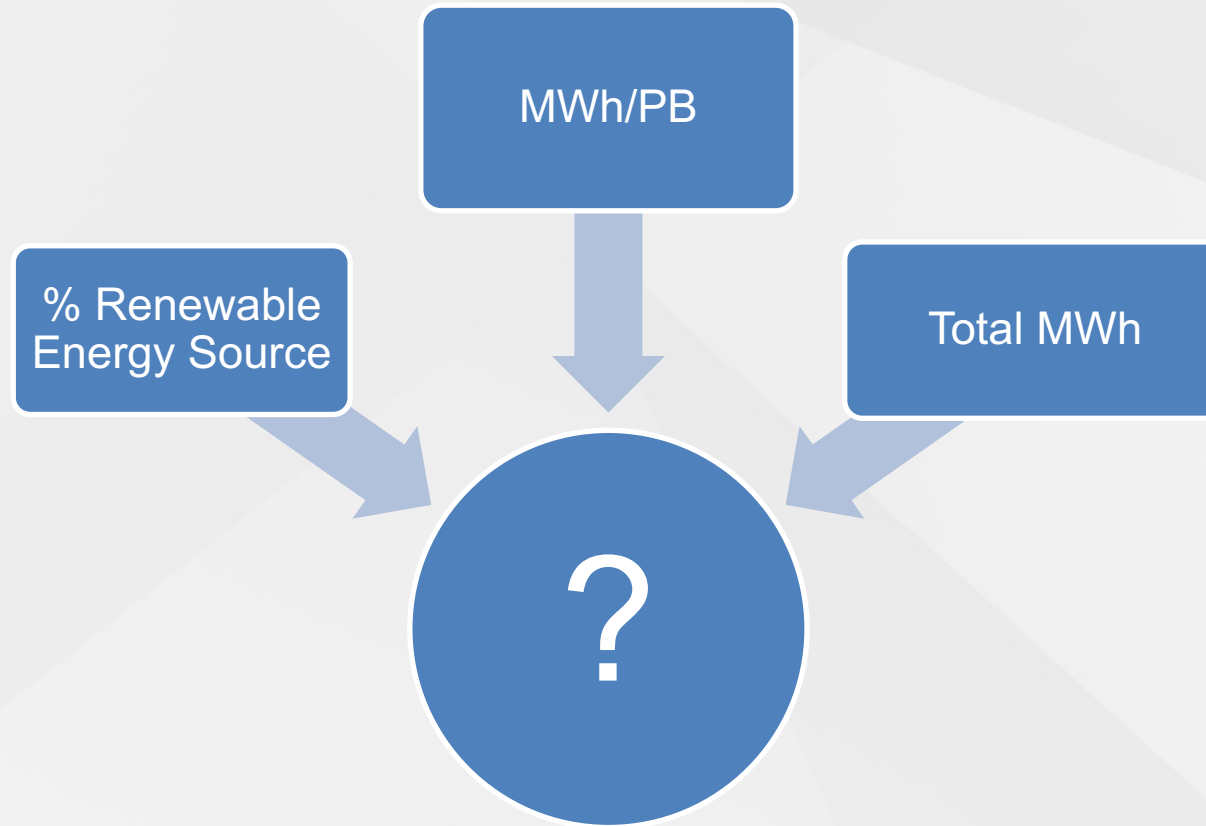


```
2001:DB8:BBBB::/48
```

Inter-domain is NOT Intra-domain

Requirements	Intra-Domain	Inter-Domain
Control of infrastructure	Yes	No
Topology structure	Dense	Partial
Routing metric	IGP Cost	BGP Policies
Carbon reduction goal	Lower emissions	Lower footprint
CAR controls	Shutdown links and devices	Path selection

Autonomous System CAR Metric



Thank You