

# *Public Utility Commission of Texas*

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## **Memorandum**

**TO:** Brian Lloyd  
Executive Director

**FROM:** Kevin Mathis  
Infrastructure and Reliability Division

**DATE:** October 12, 2012

**RE:** Docket No. 40077 – Annual Filing by Electric Utilities of Interconnected Distributed Generation Facilities to Comply with Substantive Rule §25.211(n)

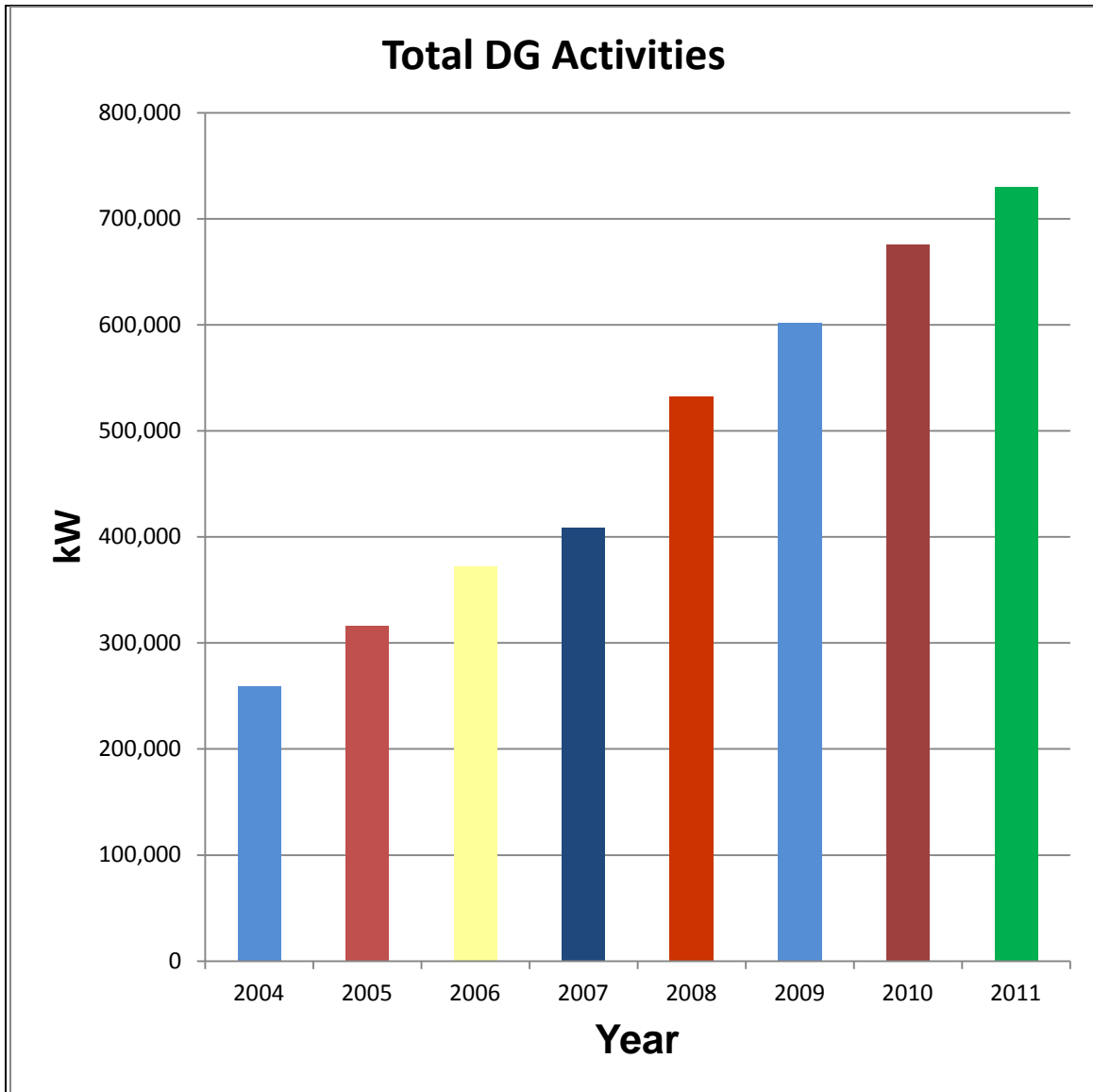
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Substantive Rule §25.211(n) requires that by March 30 of each year, every electric utility shall file with the Commission a Distributed Generation Interconnection Report for the preceding calendar year that identifies each distributed generation facility interconnected with the utility's distribution system. The report shall list the new distributed generation facilities interconnected with the system since the previous year's report, any distributed generation facilities no longer interconnected with the utility's system since the previous report, the capacity of each facility, and the feeder or other point on the company's utility system where the facility is connected.

Centerpoint Energy Houston Electric ("CenterPoint"), Oncor Electric Delivery ("Oncor"), American Electric Power ("AEP"), Texas New Mexico Power Company ("TNMP"), Entergy Gulf States ("Entergy"), Southwestern Public Service Company ("SPS"), Sharyland Utilities ("Sharyland"), Southwestern Electric Power Company ("SWEPCO"), and El Paso Electric Company ("EPE") reported a net total of 730,255 kilowatts of distributed generation ("DG") activities. During 2011, 81,359 kilowatts were added to the 2010 total of 675,660 kilowatts capacity, and 26,764 kilowatts of DG were disconnected. The most common technology used for DG in Texas is diesel generation, with wind generation ranking second.

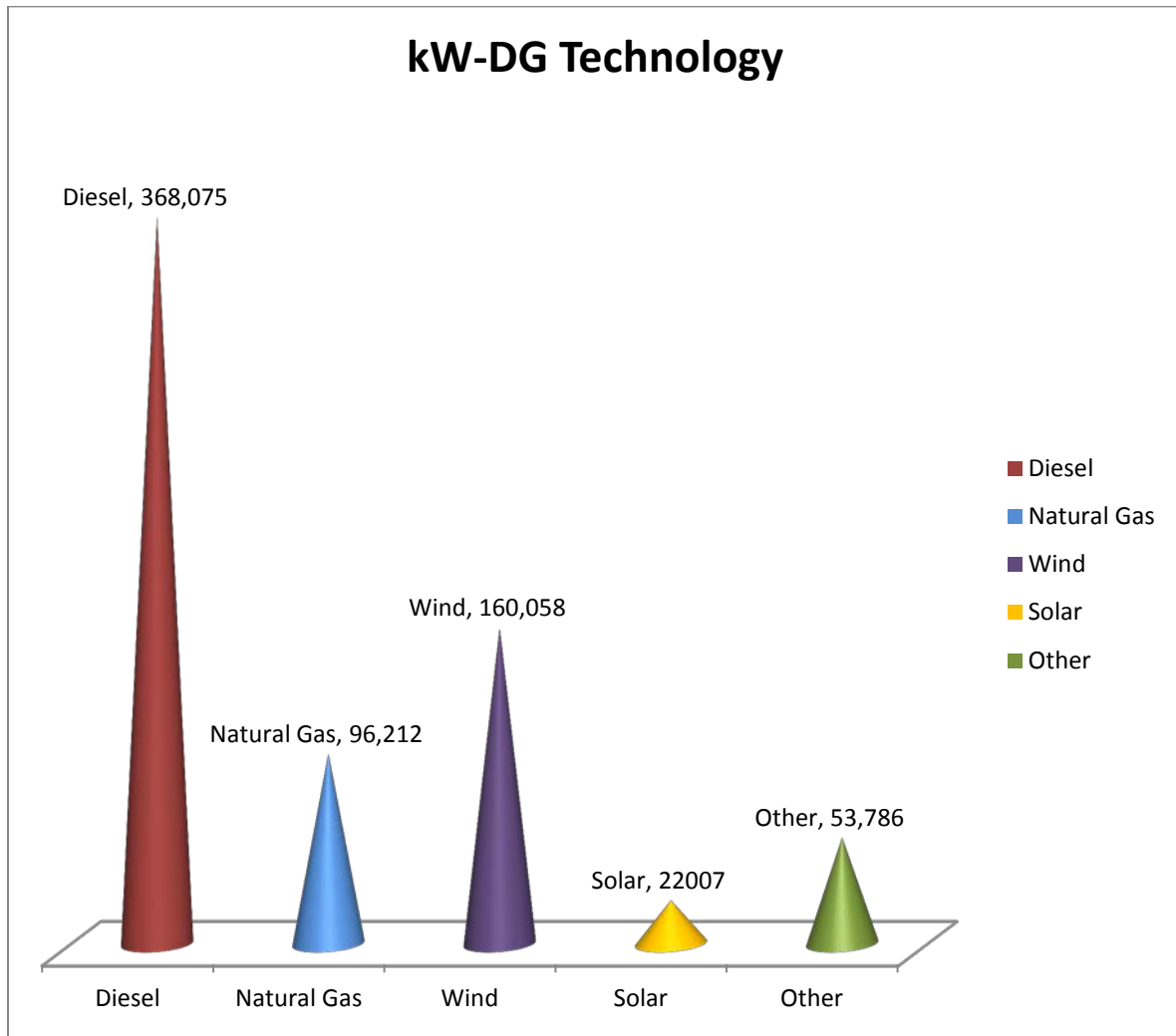
The Net Total DG activities in Kilowatts during calendar years 2004 through 2011 are shown in Table KM-1.

**Figure KM-1**



Fuel technology that was utilized by DG in the calendar year 2011 is shown in Figure KM-2.

**Figure KM-2**



\*The “Other” category includes such fuel technologies as: Biodiesel, Landfill gas, Biomass, Wood, and Lignite.

Net total DG activities for each utility in Kilowatts during calendar years 2004, 2005, 2006, 2007, 2008, 2009, 2010, and 2011 are shown in Table KM-1.

**Table KM-1**

	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>
<b>Oncor</b>	173,871	197,585	229,786	264,443	312,898	367,545	404,641	423,943
<b>CenterPoint</b>	50,180	51,883	53,752	55,666	61,004	61,008	70,975	71,942
<b>SPS</b>	3,057	33,717	53,717	53,983	121,718	129,276	149,355	163,653
<b>TNMP</b>	15,000	15,000	15,000	15,066	15,065	21,527	21,588	21,682
<b>AEP</b>	14,317	14,317	14,337	14,356	14,396	16,629	17,115	18,559
<b>Entergy</b>	3,049	3,044	3,044	3,060	3,084	3,186	3,350	3,766
<b>El-Paso</b>	0	0	2,404	2,404	2,407	2,422	2,550	23,159
<b>SWEPCO</b>	-	-	-	-	5,935	5,935	5,917	3,377
<b>Sharyland</b>	0	0	0	0	0	0	169	174
<b>Total</b>	259,549	315,626	372,120	409,061	532,667	601,712	675,660	730,255

The DG activities that represent existing capacity, newly interconnected capacity, and disconnected capacity in Kilowatts for the calendar years 2004 through 2011 are shown in Table KM-2.

**Table KM-2**

Capacity	Oncor	CenterPoint	SPS	TNMP	AEP	Entergy	El Paso	SWEPCO	Sharyland
Existing 2003	157,878	42,476	4	5,000	14,317	5	0	-	0
New Interconnection 2003	6,012	7,604	3,054	10,000	0	3,044	0	-	0
Disconnection 2003	8,460	6,530	0	0	0	0	0	-	0
<b>Net Total 2003</b>	<b>155,430</b>	<b>43,550</b>	<b>3,057</b>	<b>15,000</b>	<b>14,317</b>	<b>3,049</b>	<b>0</b>	<b>-</b>	<b>0</b>
New Interconnection 2004	28,341	6,630	0	0	0	0	0		0
Disconnection 2004	9,900	0	0	0	0	5	0	-	0
<b>Net Total 2004</b>	<b>173,871</b>	<b>50,180</b>	<b>3,057</b>	<b>15,000</b>	<b>14,317</b>	<b>3,044</b>	<b>0</b>		<b>0</b>
New Interconnection 2005	27,364	1,703	30,660	0	0	0	0	-	0
Disconnection 2005	3,650	0	0	0	0	0	0	-	0
<b>Net Total 2005</b>	<b>197,585</b>	<b>51,883</b>	<b>33,717</b>	<b>15,000</b>	<b>14,317</b>	<b>3,044</b>	<b>0</b>		<b>0</b>
New Interconnection 2006	42,201	1,869	20,000	0	20	0	2,404	-	0
Disconnection 2006	10,000	0	0	0	0	0	0	-	0
<b>Net Total 2006</b>	<b>229,786</b>	<b>53,752</b>	<b>53,717</b>	<b>15,000</b>	<b>14,337</b>	<b>3,044</b>	<b>2,404</b>		<b>0</b>
New Interconnection 2007	38,863	1,914	266	66	19	16	3	-	0
Disconnection 2007	4,206	0	0	0	0	0	0	-	0
<b>Net Total 2007</b>	<b>264,443</b>	<b>55,666</b>	<b>53,983</b>	<b>15,066</b>	<b>14,356</b>	<b>3,060</b>	<b>2,407</b>	<b>-</b>	<b>0</b>
New Interconnection 2008	69,352	200	67,633	9	0	24	0	5,935	0
Disconnection 2008	14,350	3	0	5	327	0	0	0	0
<b>Net Total 2008</b>	<b>312,898</b>	<b>61,004</b>	<b>121,718</b>	<b>15,065</b>	<b>16,396</b>	<b>3,084</b>	<b>2,407</b>	<b>5,935</b>	<b>0</b>
New Interconnection 2009	40,296	515	7,558	6,449	284	84	12	0	0

Disconnection 2009	0	0	0	5	51	7800	0	0	0
<b>Net Total 2009</b>	<b>367,545</b>	<b>61,008</b>	<b>129,276</b>	<b>21,527</b>	<b>16,629</b>	<b>3,186</b>	<b>2,422</b>	<b>5,935</b>	<b>119</b>
<b>Capacity</b>	<b>Oncor</b>	<b>CenterPoint</b>	<b>SPS</b>	<b>TNMP</b>	<b>AEP</b>	<b>Entergy</b>	<b>El Paso</b>	<b>SWEPCO</b>	<b>Sharyland</b>
New Interconnection 2010	37,096	14,820	20,079	66	491	164	128	0	50
Disconnection 2010	0	4,853	0	5	5	0	0	18	0
<b>Net Total 2010</b>	<b>404,641</b>	<b>70,975</b>	<b>149,355</b>	<b>21,588</b>	<b>17,115</b>	<b>3,350</b>	<b>2,550</b>	<b>5,917</b>	<b>169</b>
New Interconnection 2011	43,352	967	14,298	99	1,444	416	20,609	169	5
Disconnection 2011	24,050	0	0	5	0	0	0	2,709	0
<b>Net Total 2011</b>	<b>423,943</b>	<b>71,942</b>	<b>163,653</b>	<b>21,682</b>	<b>18,559</b>	<b>3,766</b>	<b>23,159</b>	<b>3,377</b>	<b>174</b>

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