



CRS

center for
resource
solutions

Voluntary Renewable Energy Certificate Markets

November 17, 2011

Renewable Energy Markets 2011

San Francisco, CA

Rachael Terada

Project Manager



®

Green-e

Figure 1
Green-e Energy Certified Retail Sales
by Product Type, 1998–2010
 (in MWh)

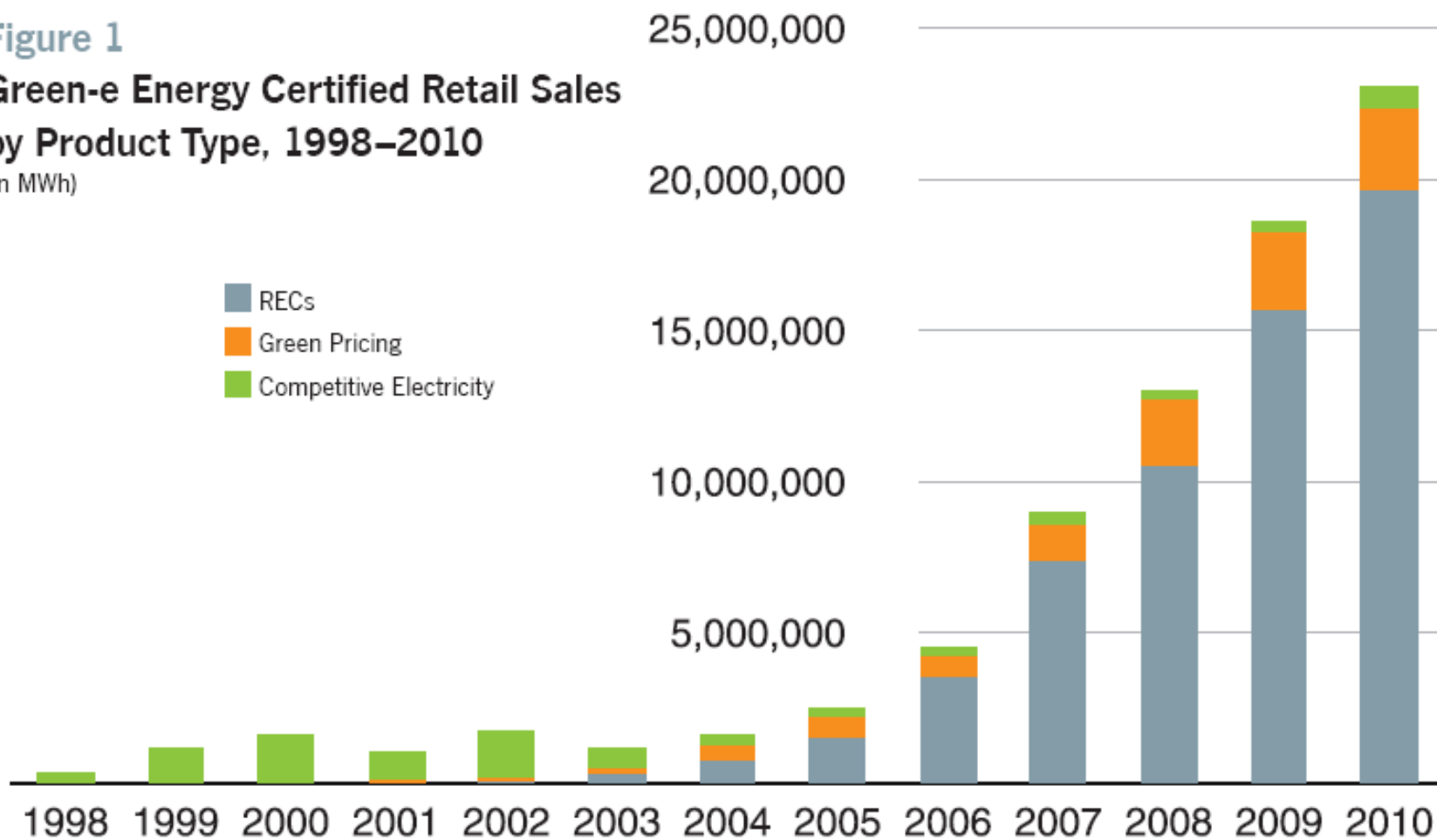


Figure 2 Green-e Energy Certified Sales by Customer Type, 1998–2010 (in MWh)

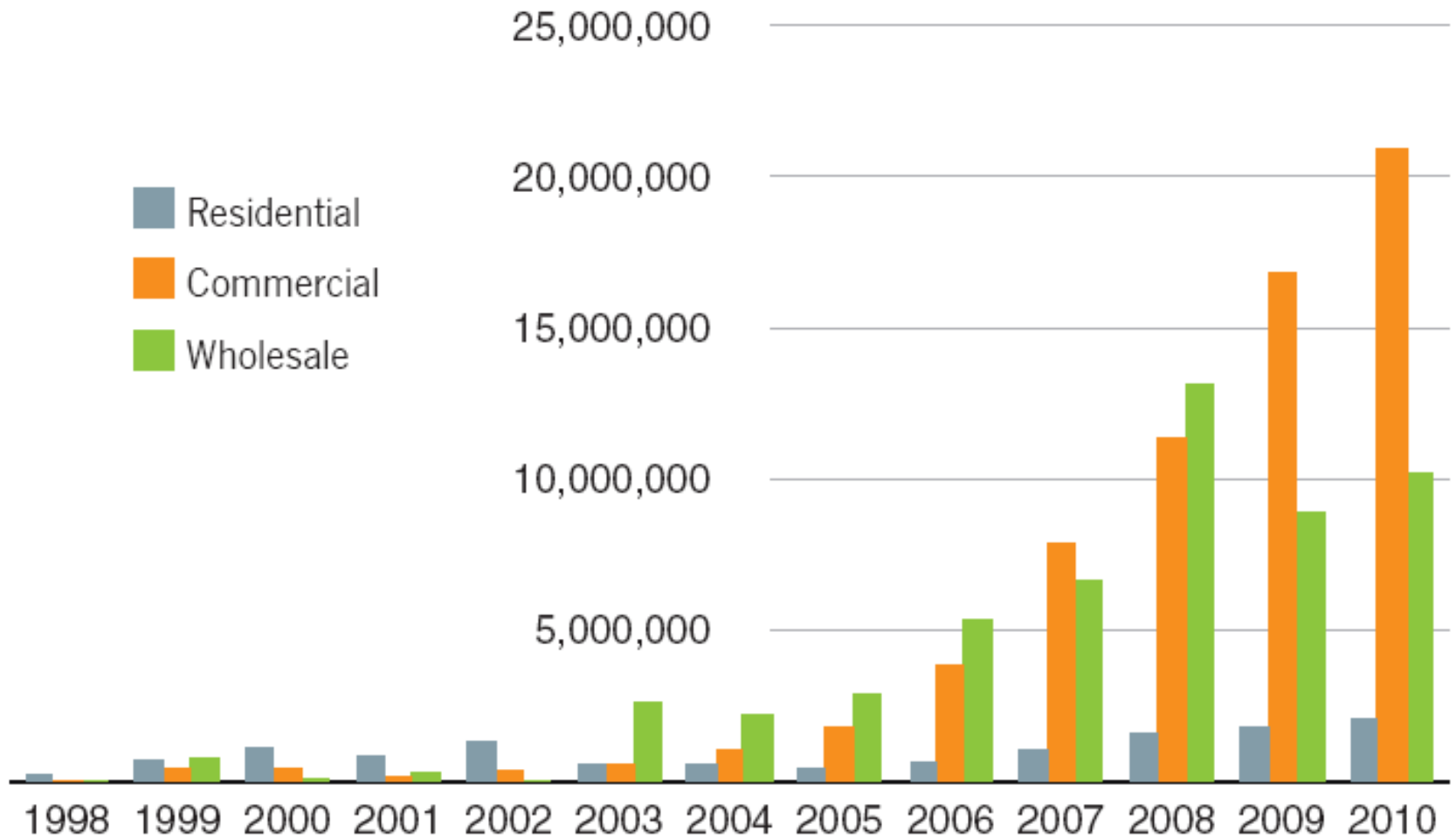


Figure 3 Retail Customers Purchasing Green-e Energy by Product Type, 1998–2010 (number of customers)

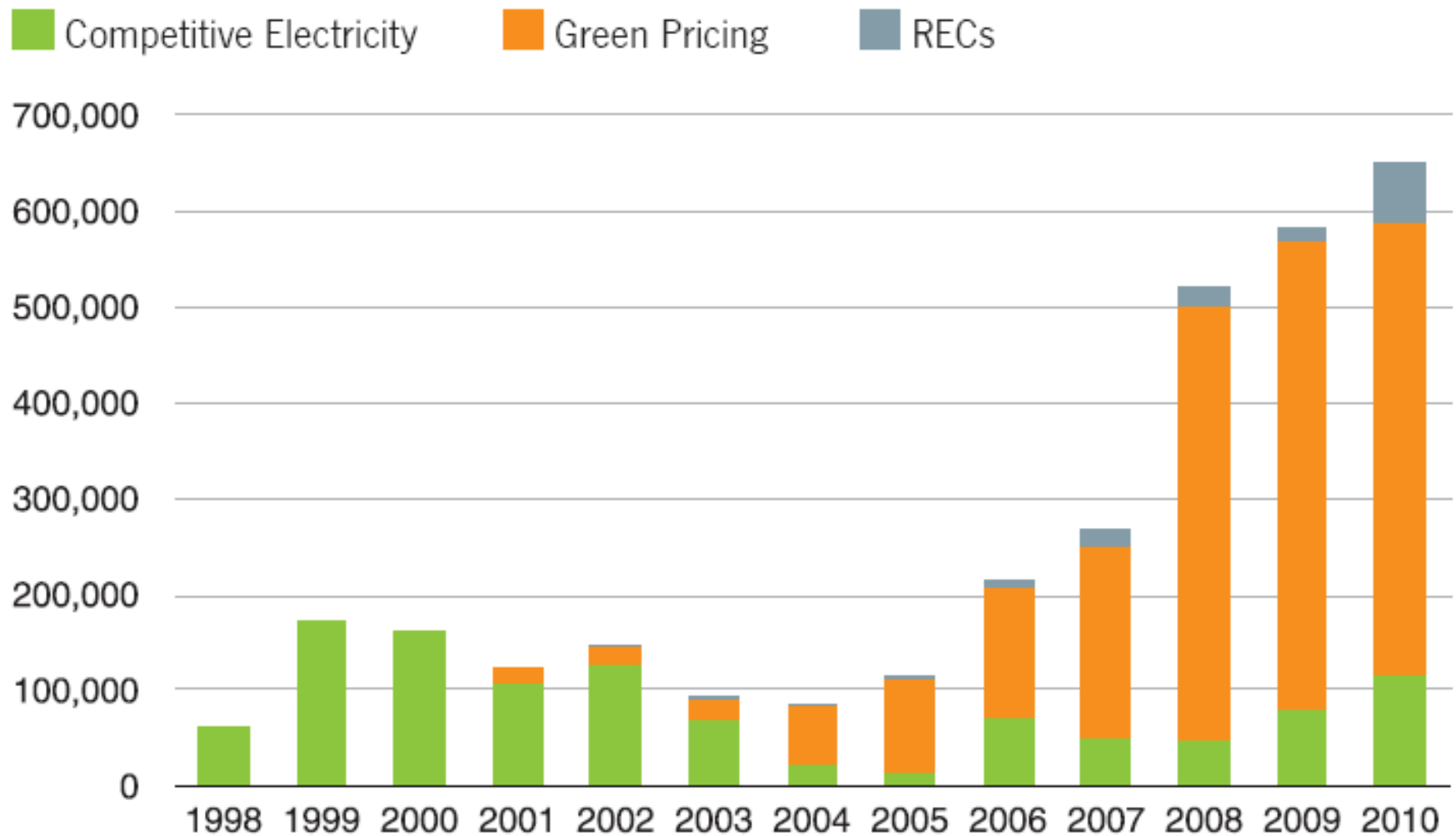
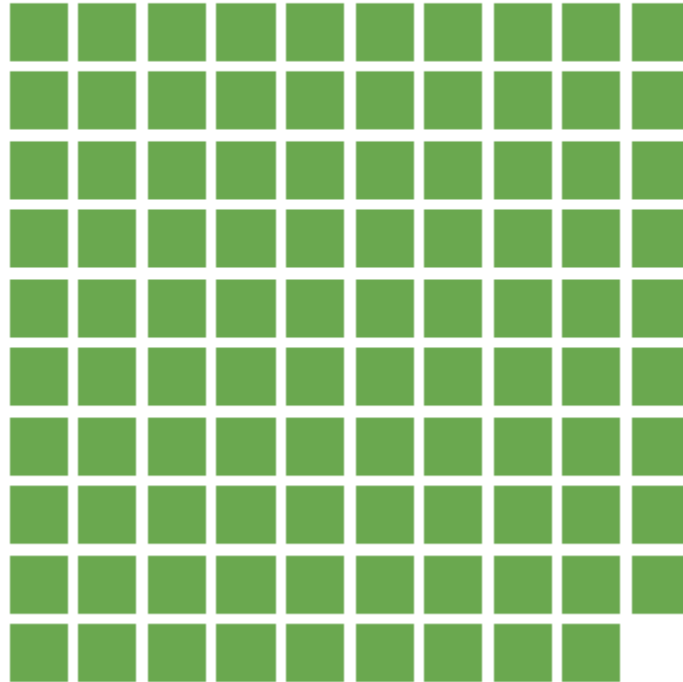


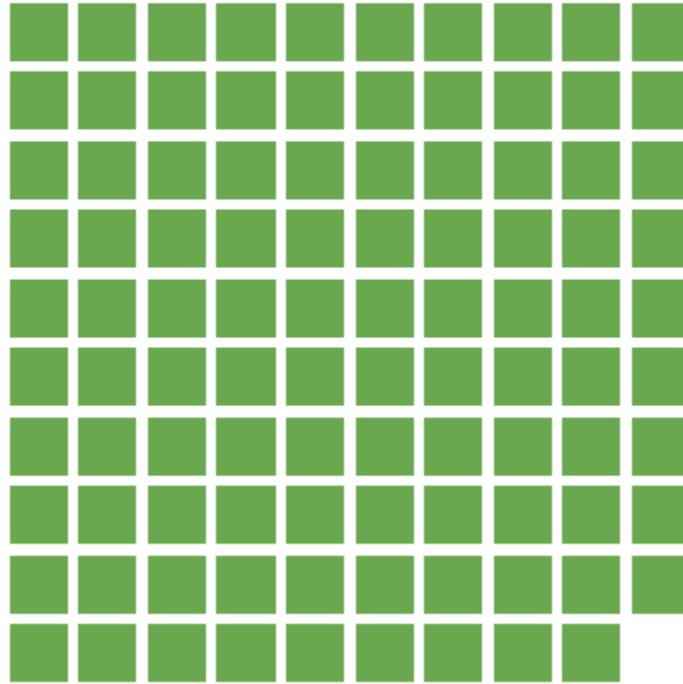
Table 2 Total Green-e Energy Certified Sales of Renewable Energy by Product Type and Customer Type, 2010 (MWh, rounded)

	Retail		Wholesale
	Residential	Commercial	
RECs	342,000	19,323,000	10,130,000
Green Pricing	1,508,000	1,152,000	0
Competitive Electricity	276,000	491,000	96,000
Total Sales	2,126,000	20,967,000	10,226,000
Total Retail: 23,093,000 MWh Total Unique Certified: 27,563,000 MWh Total Certified Transactions: 33,319,000 MWh			

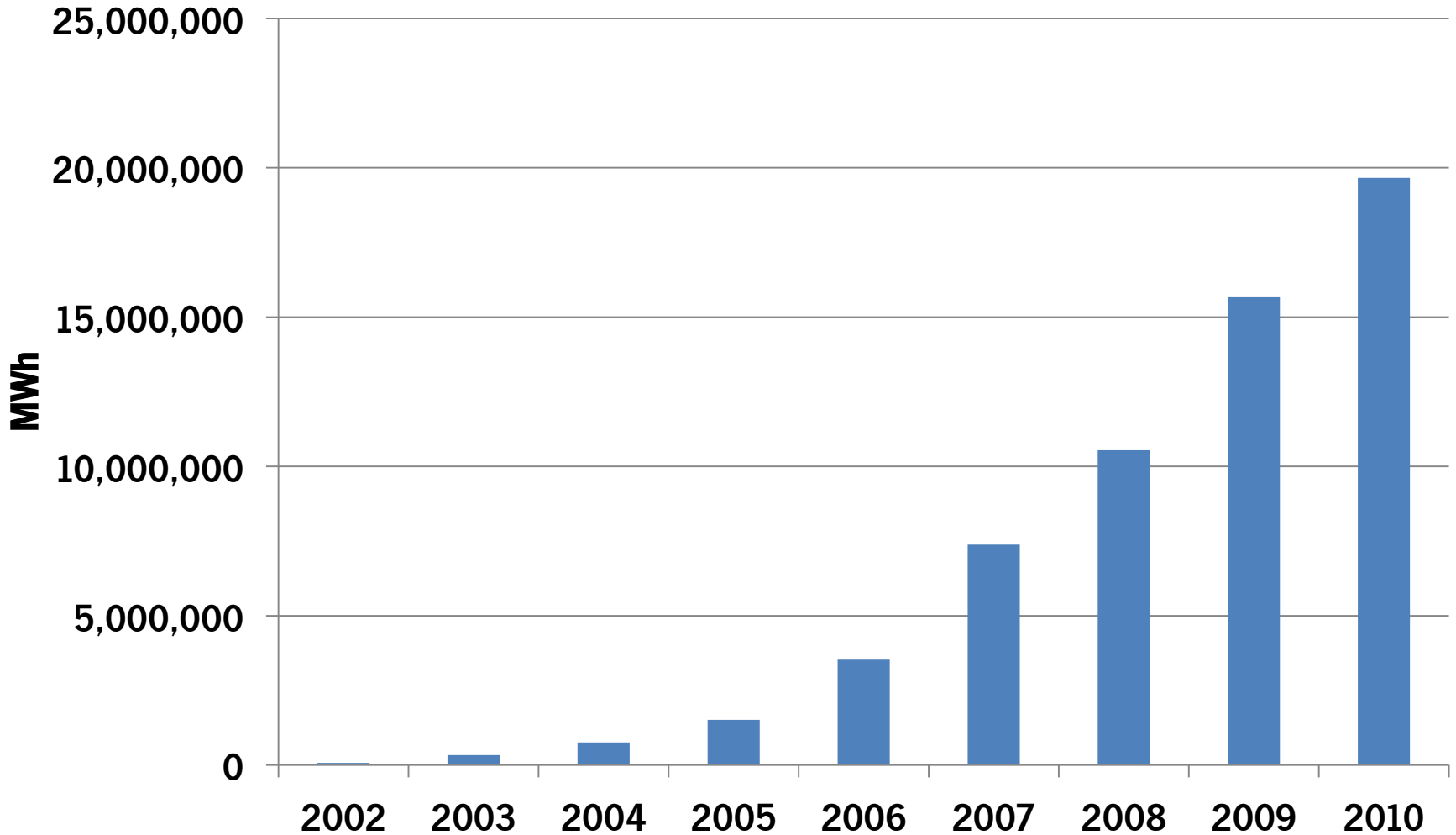
99%



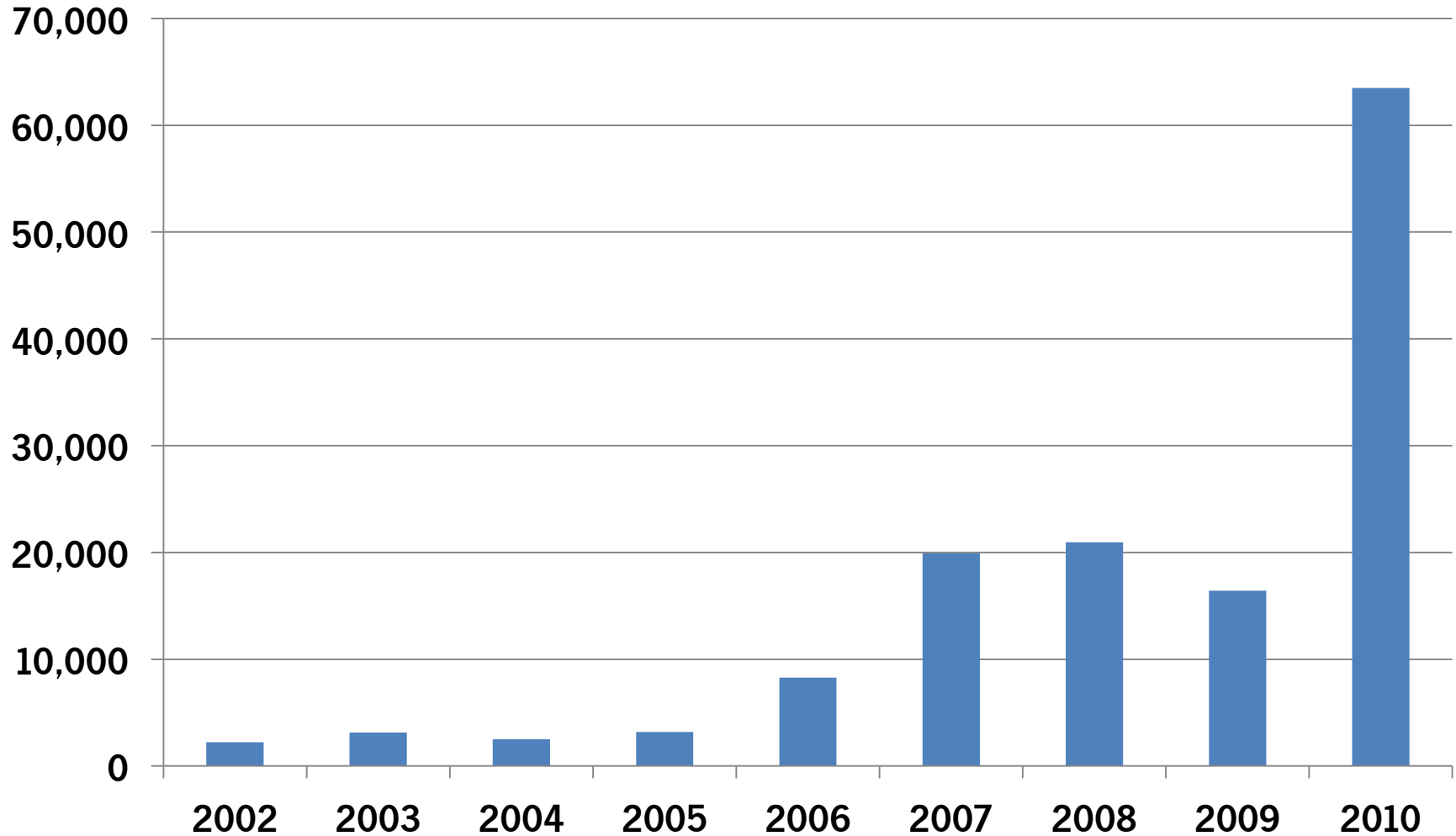
99% of Retail RECs
are Green-e
Energy Certified



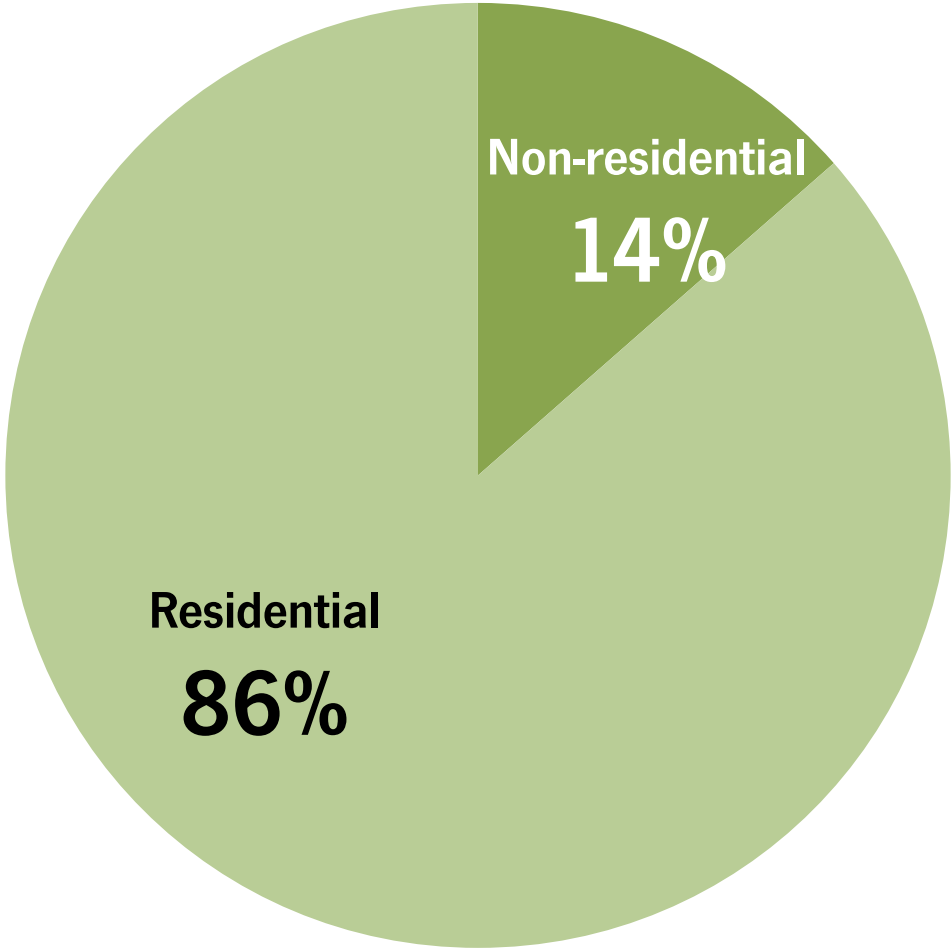
Green-e Energy Certified Retail REC Sales (MWh)



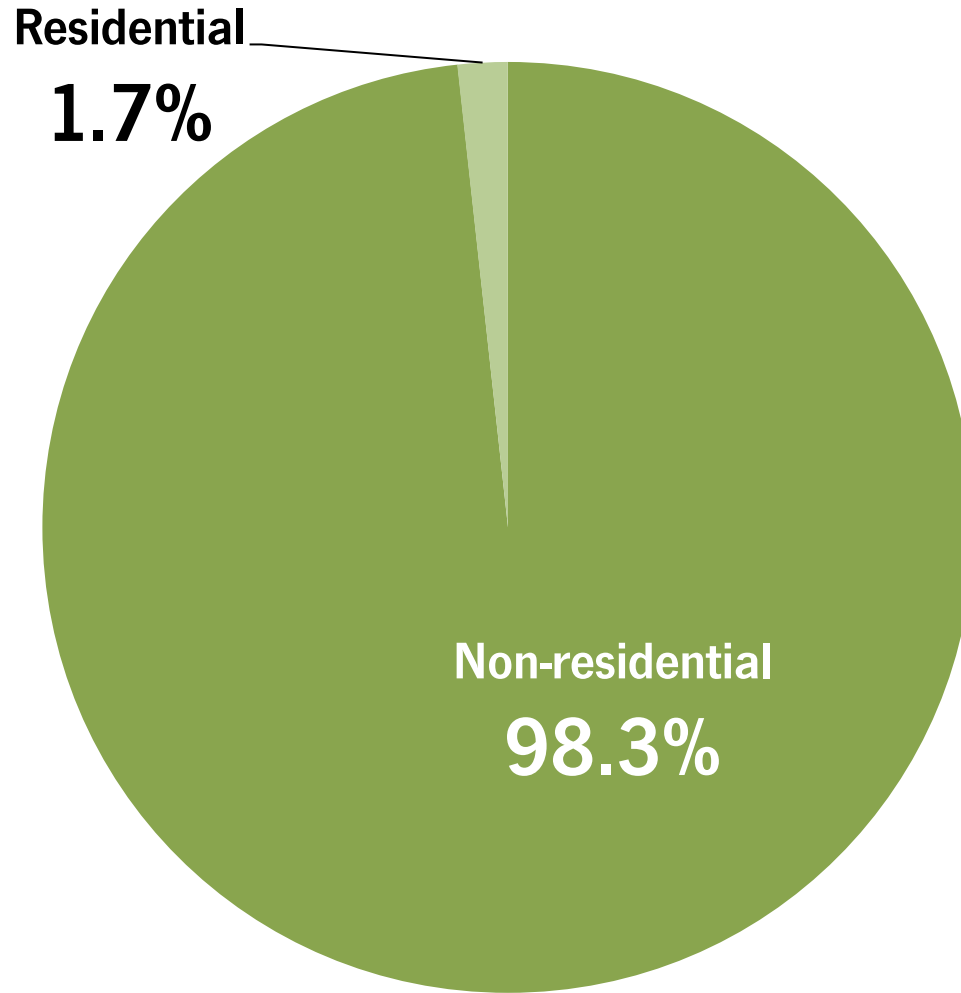
Number of Customers Purchasing Green-e Energy Certified RECs



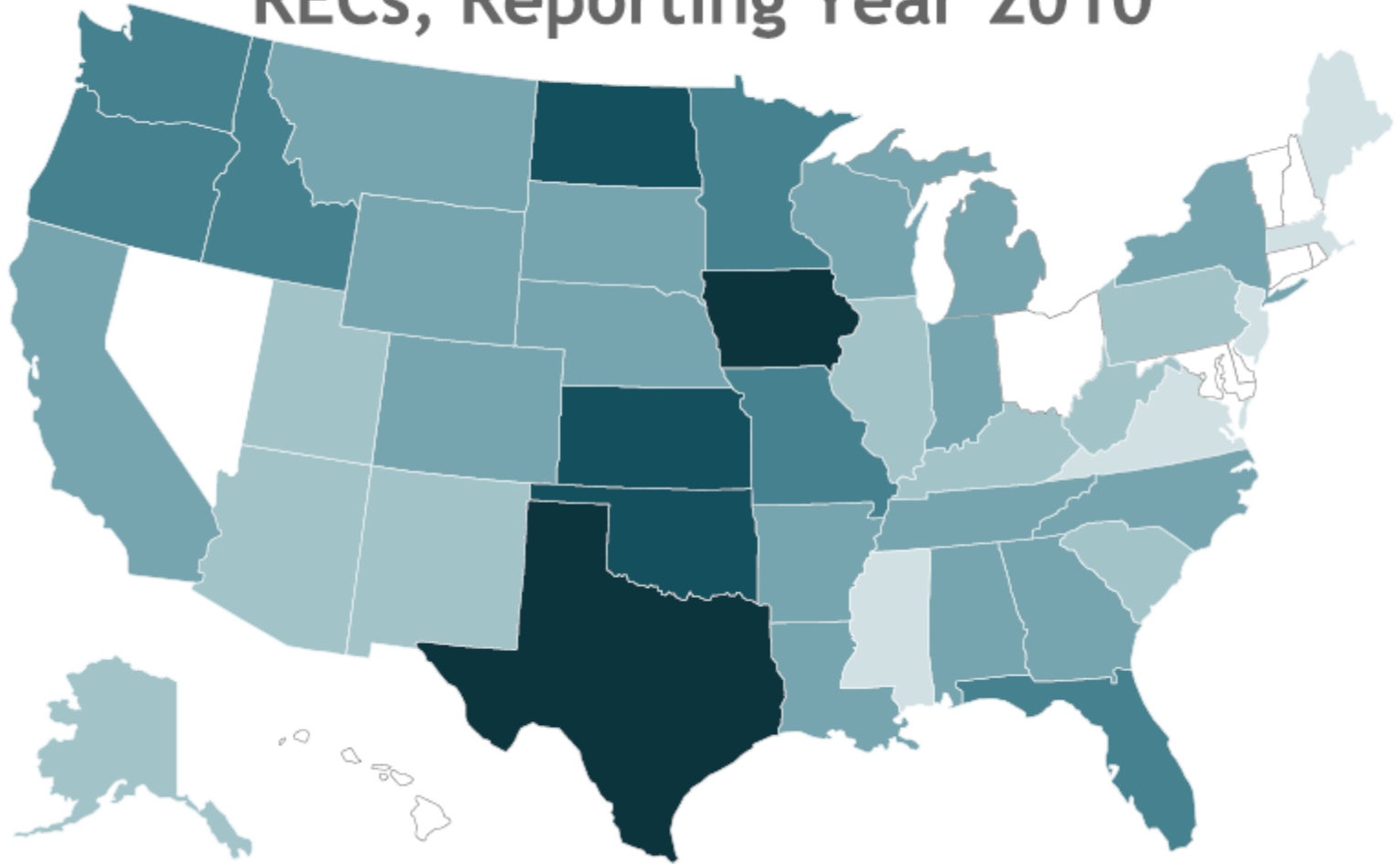
Customers Purchasing Green-e Energy Certified RECs, 2010



Green-e Energy Certified REC Sales (MWh), 2010



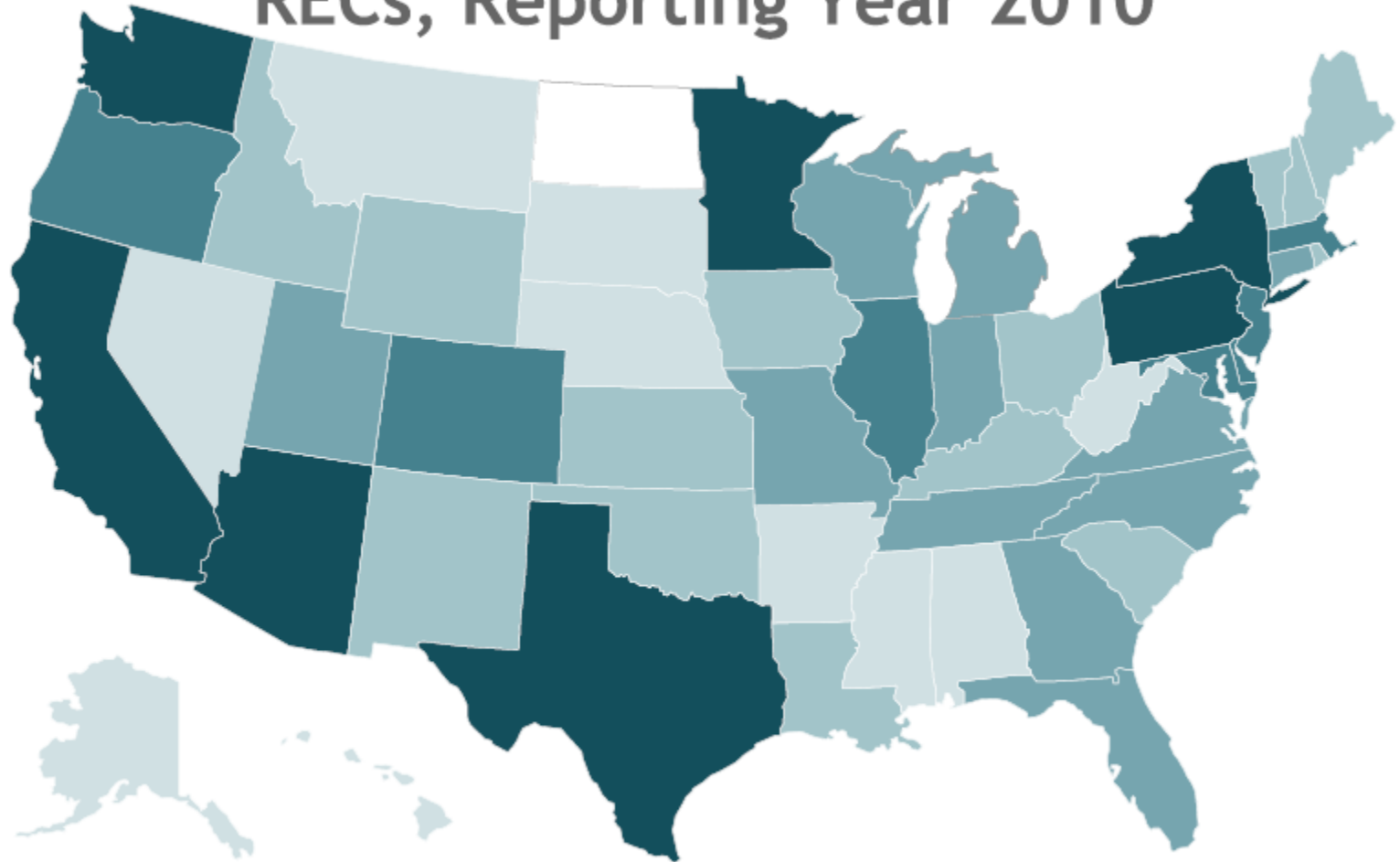
SUPPLY: Green-e Energy Certified Retail RECs, Reporting Year 2010



number of MWh (thousands)

<10	10-100	100-500	500-1,000	1,000-4,000	4,000+
-----	--------	---------	-----------	-------------	--------

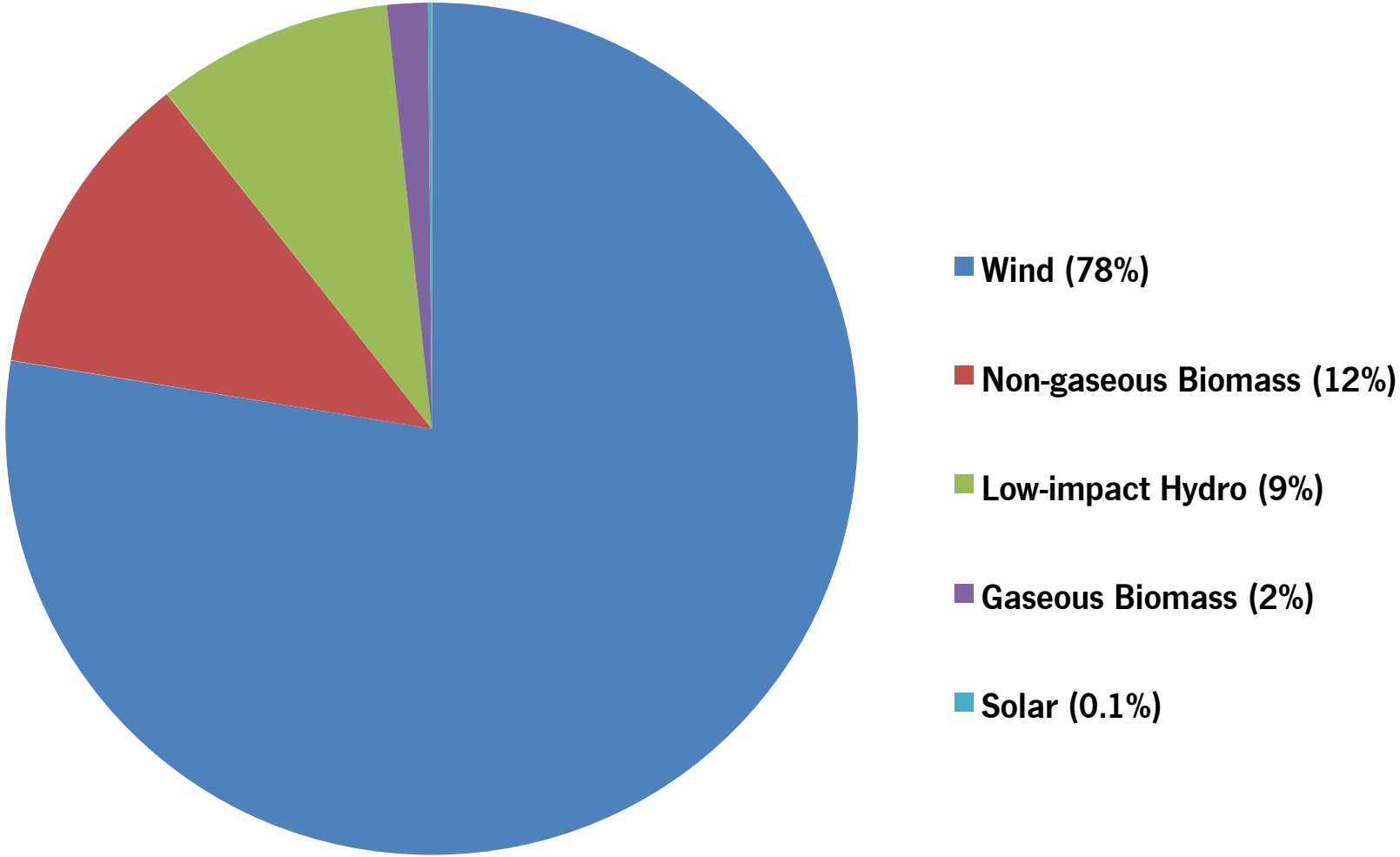
SALES: Green-e Energy Certified Retail RECs, Reporting Year 2010



number of MWh
(thousands)



Contributions of Renewable Resource Types Sold in Retail Green-e Energy Certified REC Products, 2010



CONTACT

Rachael Terada
Project Manager
Center for Resource Solutions
415-561-2135
rachael@resource-solutions.org