

PRTR MÉXICO

Registro de Emisiones y Transferencia de
Contaminantes (RETC)

2020



**GOBIERNO DE
MÉXICO**

Environmental policy instrument

- ❖ Integrate **public** information of the establishments as emissions and transfers of RETC substances (NOM-SEMARNAT-165-2013)
- ❖ Induce **reduction of emissions and transfers** of substances dangerous to health and environment

What is an emission?

Release of RETC substances directly into the environment: air, soil and national water bodies

What is a transfer? (transfer of responsibility)

Allocation of RETC substances to a physically separate site from where they were used or produced, either in waste and/or water discharges to the sewer system to:

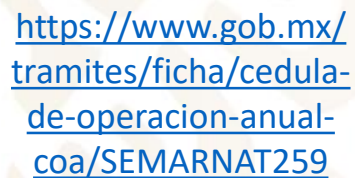
■ **Reuse** ■ **Recycle** ■ **Co-processing** ■ **Treatment** ■ **Final disposal**

PRTR scope

- ❖ **Mandatory** annual record of data, via Annual Operating Report: COA
 - ❖ Report of all the activities carried out in **fixed sources** (industrial establishments, services and shops) without exemptions
 - ❖ Registration of **200 substances** with **report thresholds on** emissions / transfers of manufacturing processes and other uses; established for each substance (NOM-165-SEMARNAT-2013)
 - ❖ Data recording by **facility or establishment**
 - ❖ Coverage to **all media**: emissions in water, air, soil, subsoil and transfers in water and wastes
 - ❖ **Annual publication** of data by plant/establishment (name and location) and quantity of substances issued or transferred.
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A diagram of a factory with two smokestacks emitting smoke. The factory is situated on a body of water. Three numbered callouts are present: 1 points to the smokestacks, 2 points to the factory building, and 3 points to a curved pipe or channel extending from the factory into the water.

1. Federal industry (sectors) *
2. Dangerous residues generator +10
Ton/year
3. Water discharge to water bodies



<http://sinat.semarnat.gob.mx/retc/index.php>

Competences on environmental matters

	Federal	State	County / Municipal
Air Sector	Release Fixed sources 11 sectors*	Release Fixed sources State sectors	Release Commerce and service
Water Discharges	Release Water bodies	Transfer Sewerage**	Transfer Sewerage
Land Hazardous Wastes	Transfer Contaminated ground		
Waste NOM-052-SEMARNAT- 2005	Transfer Hazardous Waste (grand generator)	Transfer -Special handling- Micro generator of Hazardous W***	Transfer City solid waste

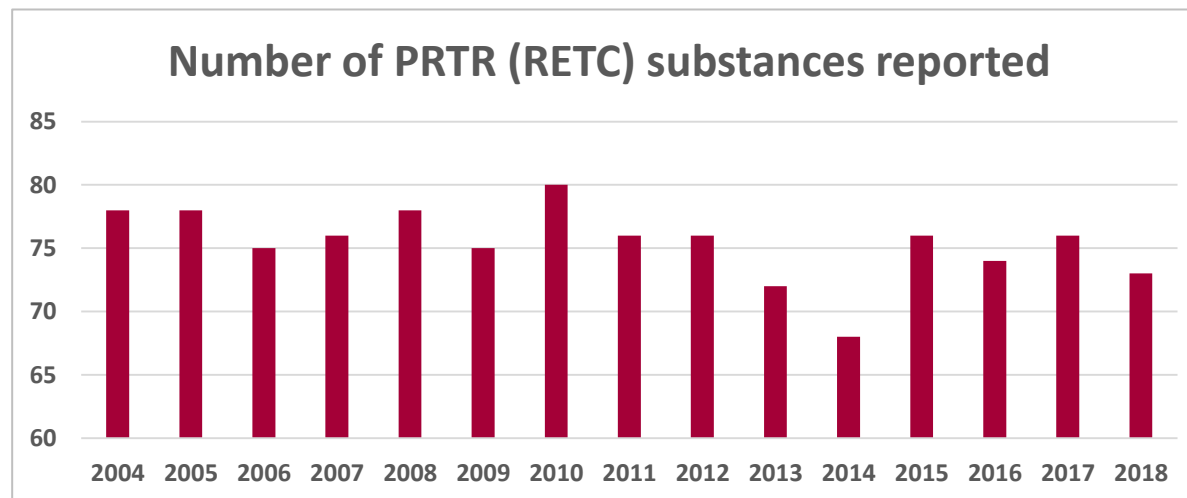
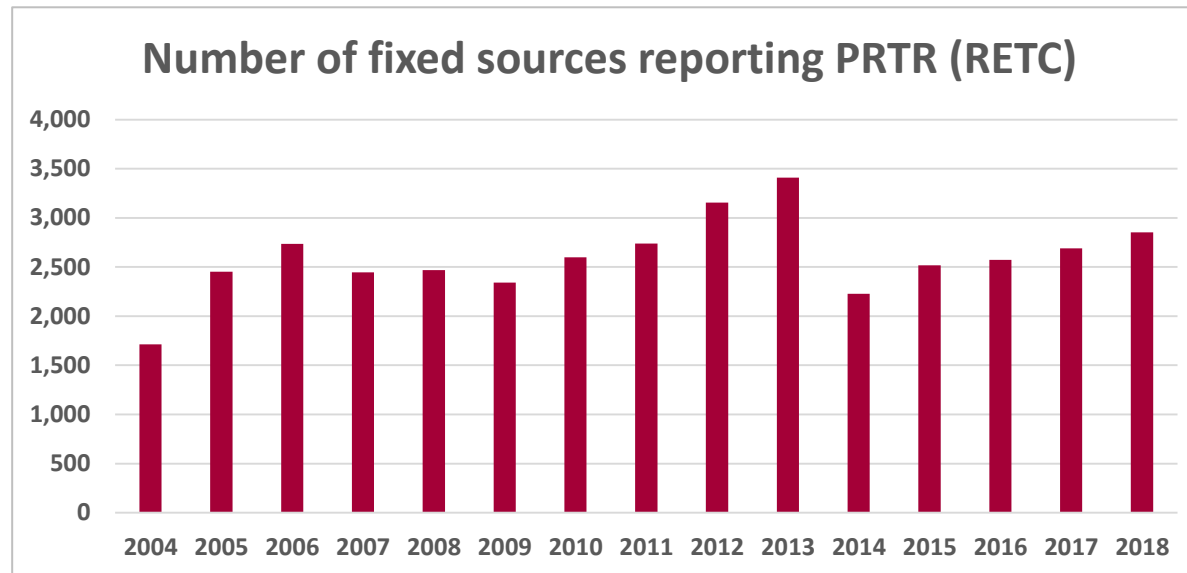
*Hydrocarbons, power generation, chemicals, glass manufacture, auto makers, cement & lime, metallurgy, paper and cellulose, asbestos, Paints & Inks, Hazardous Waste treatment.

**Some States have sign agreements with Municipalities or Counties to manage the water supply systems

*** Article 12 LGPGIR (Ley General para la Prevención y Gestión Integral de los Residuos)

PRTR Reports

Year	No. of fixed sources (Regulated establishments)	No. of PRTR substances
2004	1,714	78
2005	2,452	78
2006	2,736	75
2007	2,446	76
2008	2,468	78
2009	2,342	75
2010	2,599	80
2011	2,739	76
2012	3,157	76
2013	3,408	72
2014	2,228	68
2015	2,518	76
2016	2,572	74
2017	2,690	76
2018	2,852	73



PRTR

ENVIRONMENTAL POLICY INSTRUMENT & OBJECTIVES



RETC

Registro de Emisiones y
Transferencia de Contaminantes

Industry with efficient processes, clean technologies and substitution of raw materials

Academia with Information for research

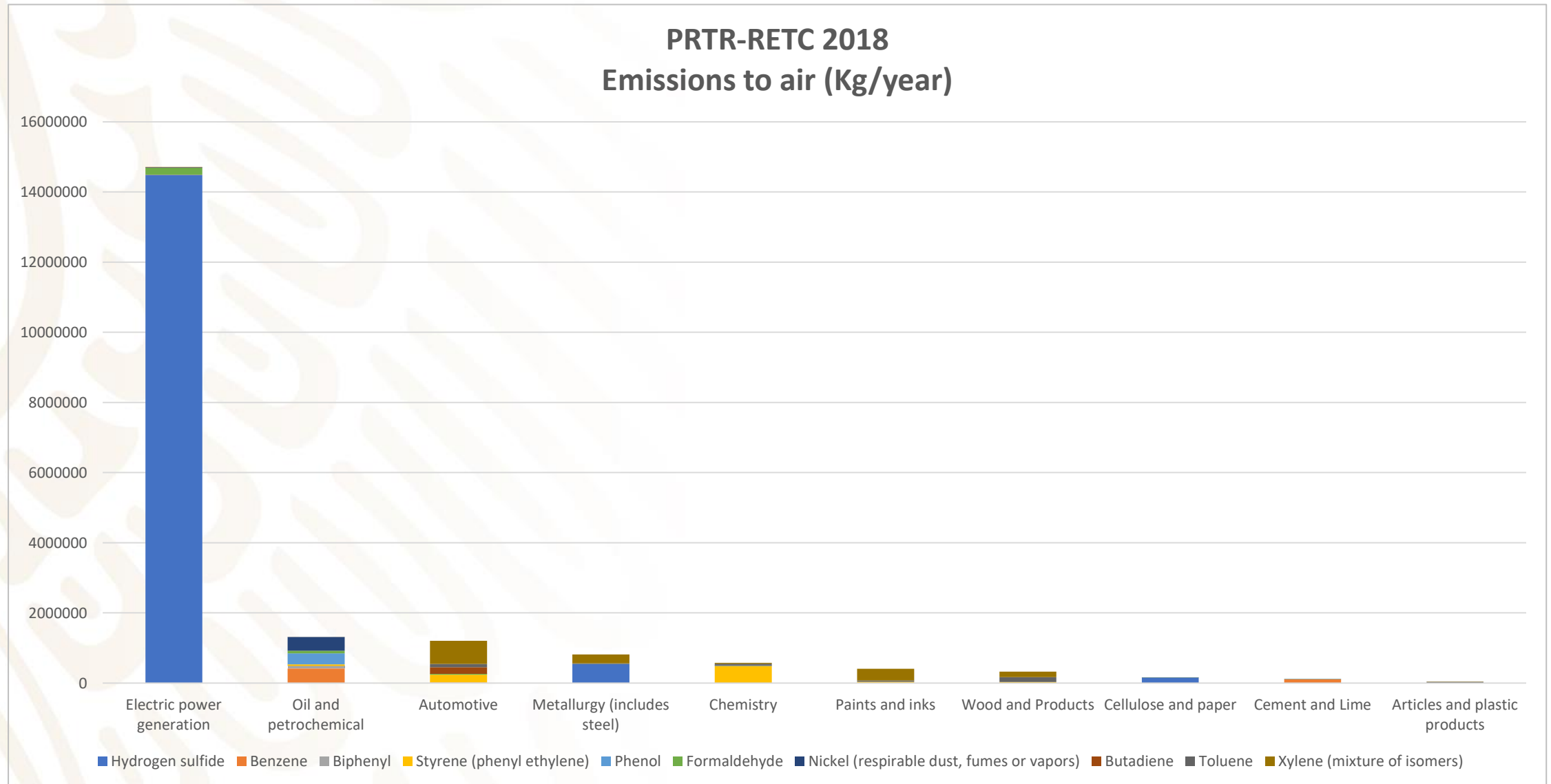
Risk of Pollutants

Government with information for development of Policies & Programs to reduce pollutants

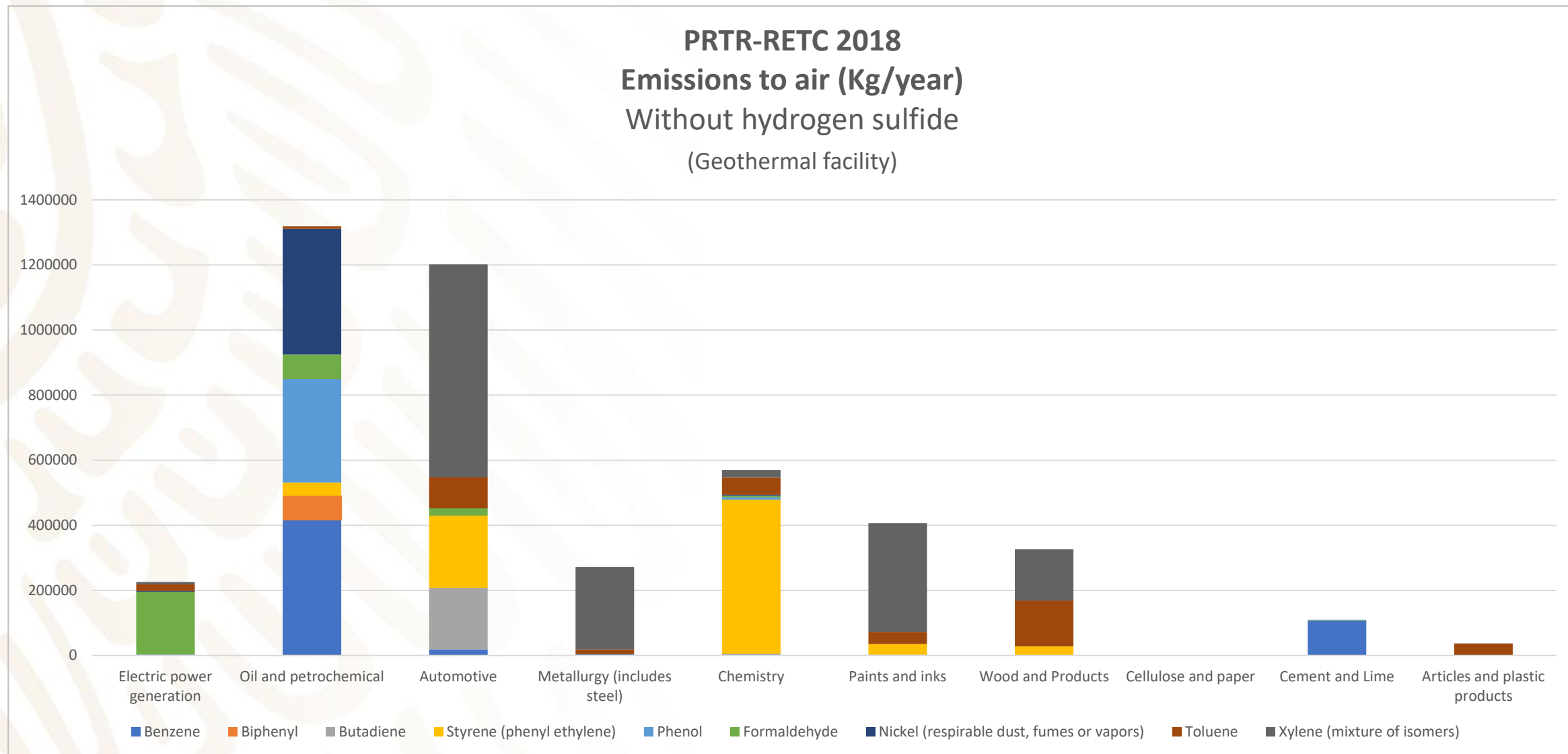
Informed and participatory society

**Reduced impact on Health
and the Environment**

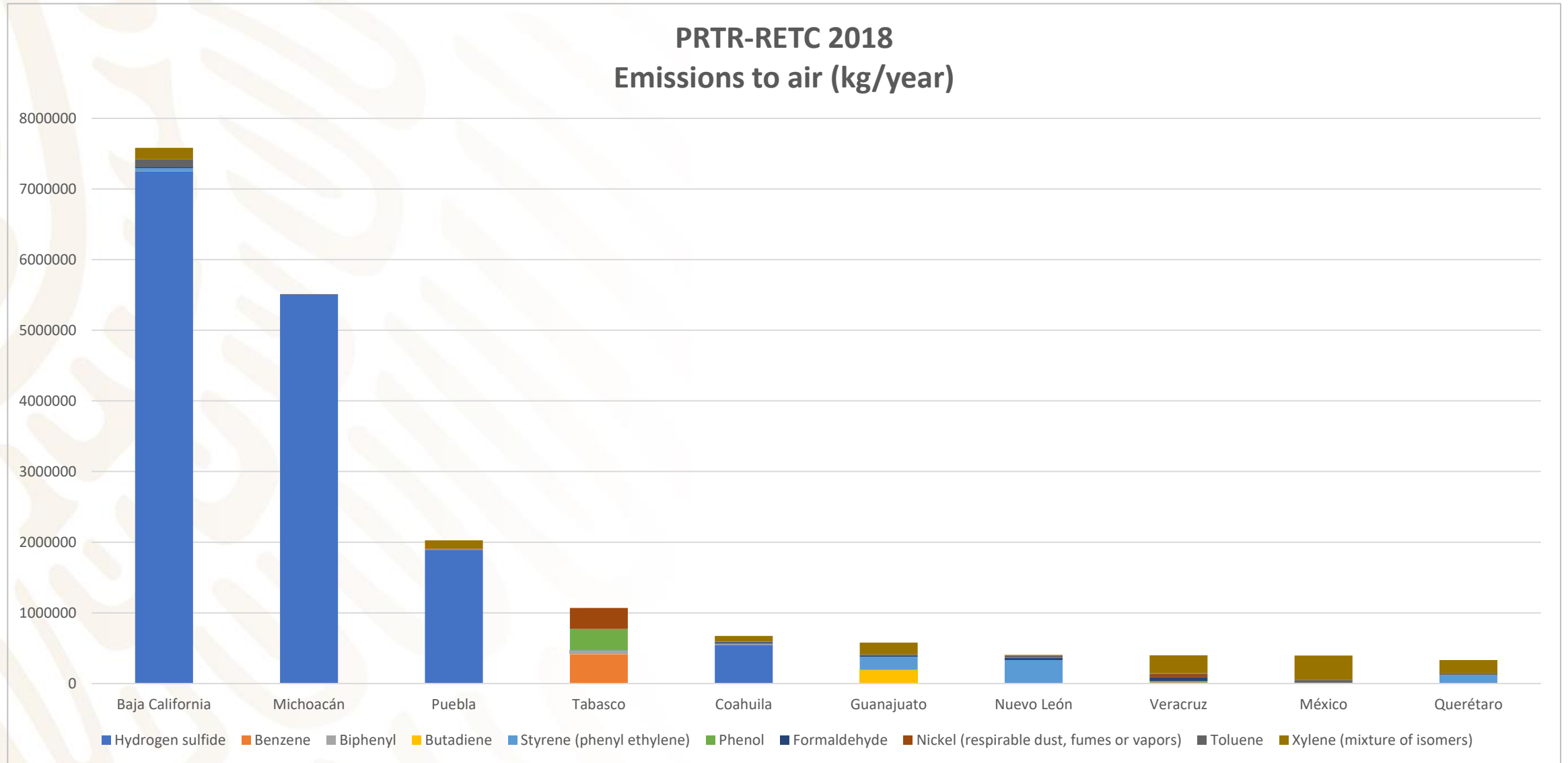


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Emissions to air by sector, RETC 2018



Emissions to air by state, RETC 2018

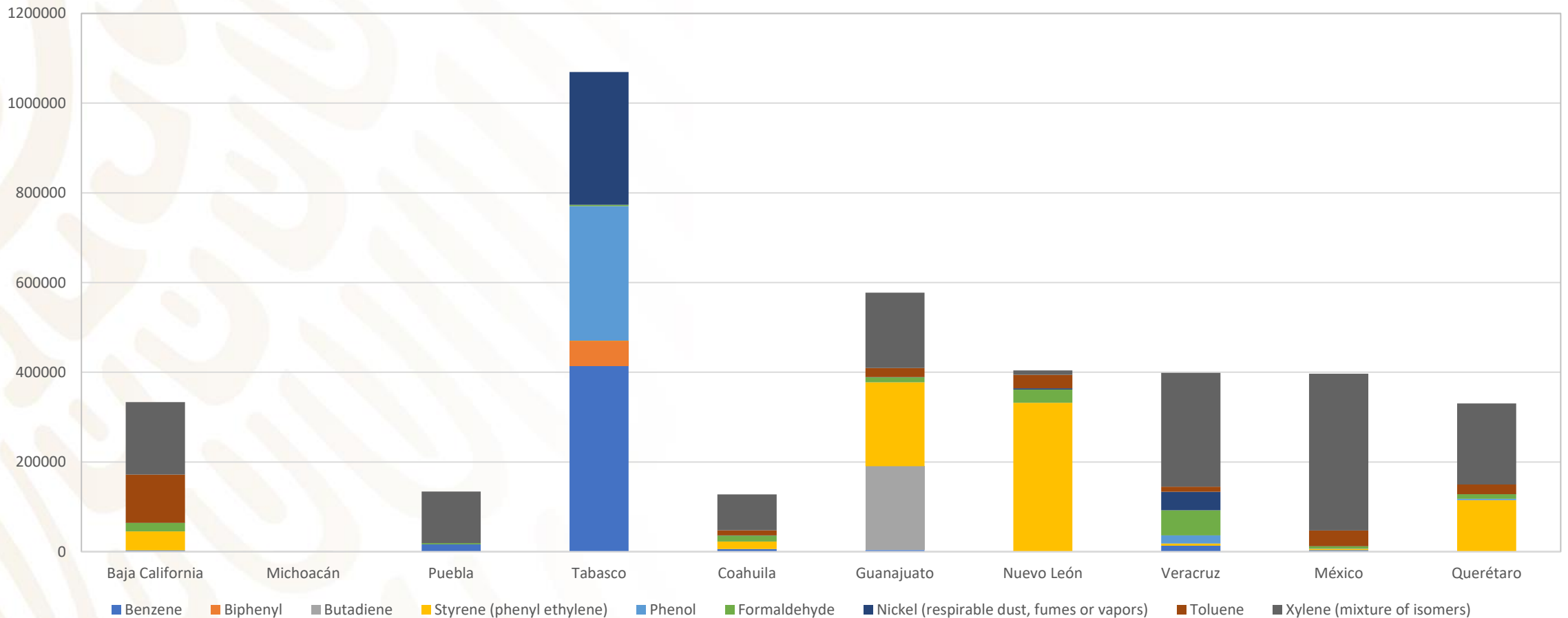


Emissions to air by state, RETC 2018

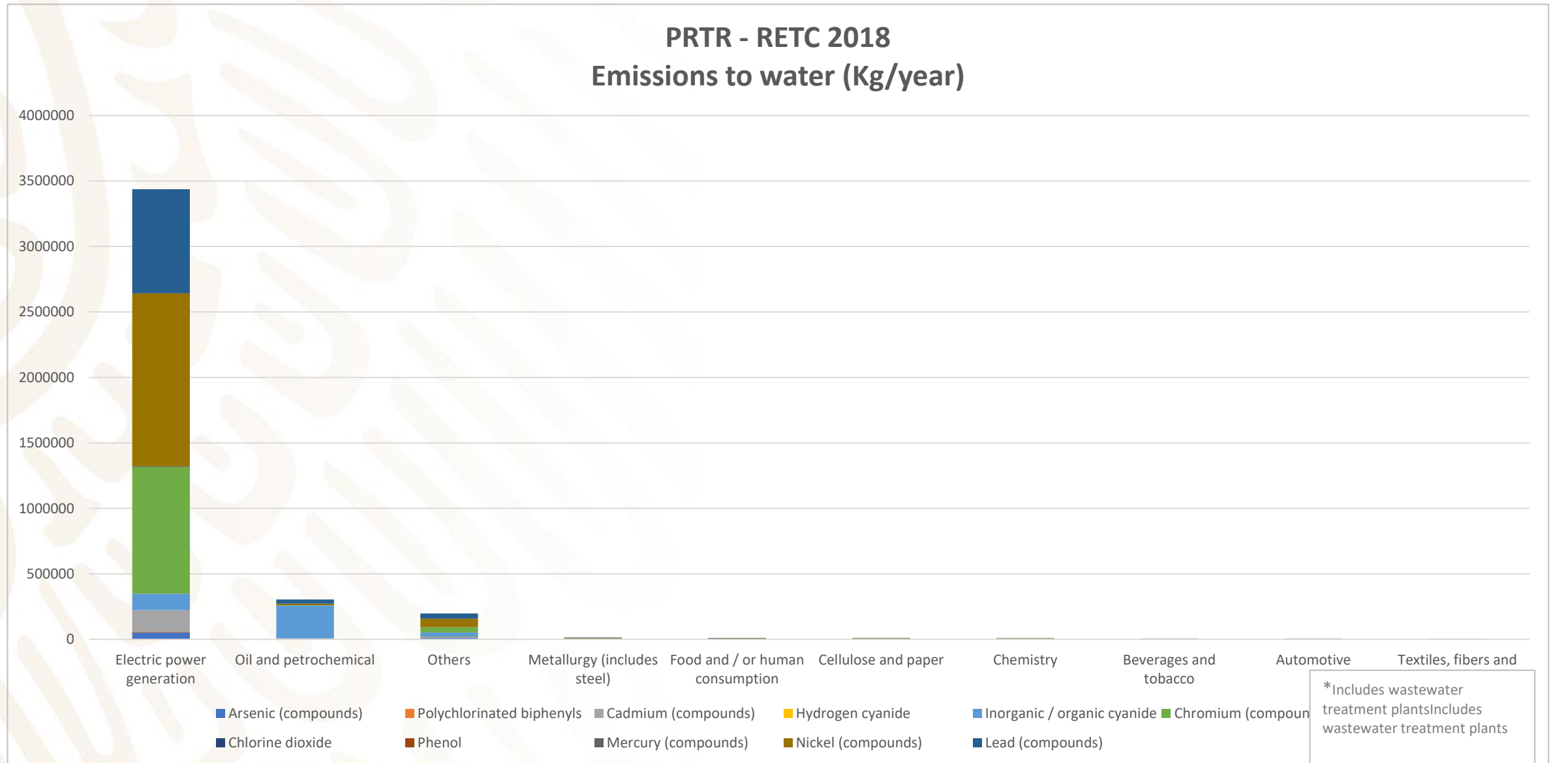
PRTR-RETC 2018

Emissions to air (kg/year)

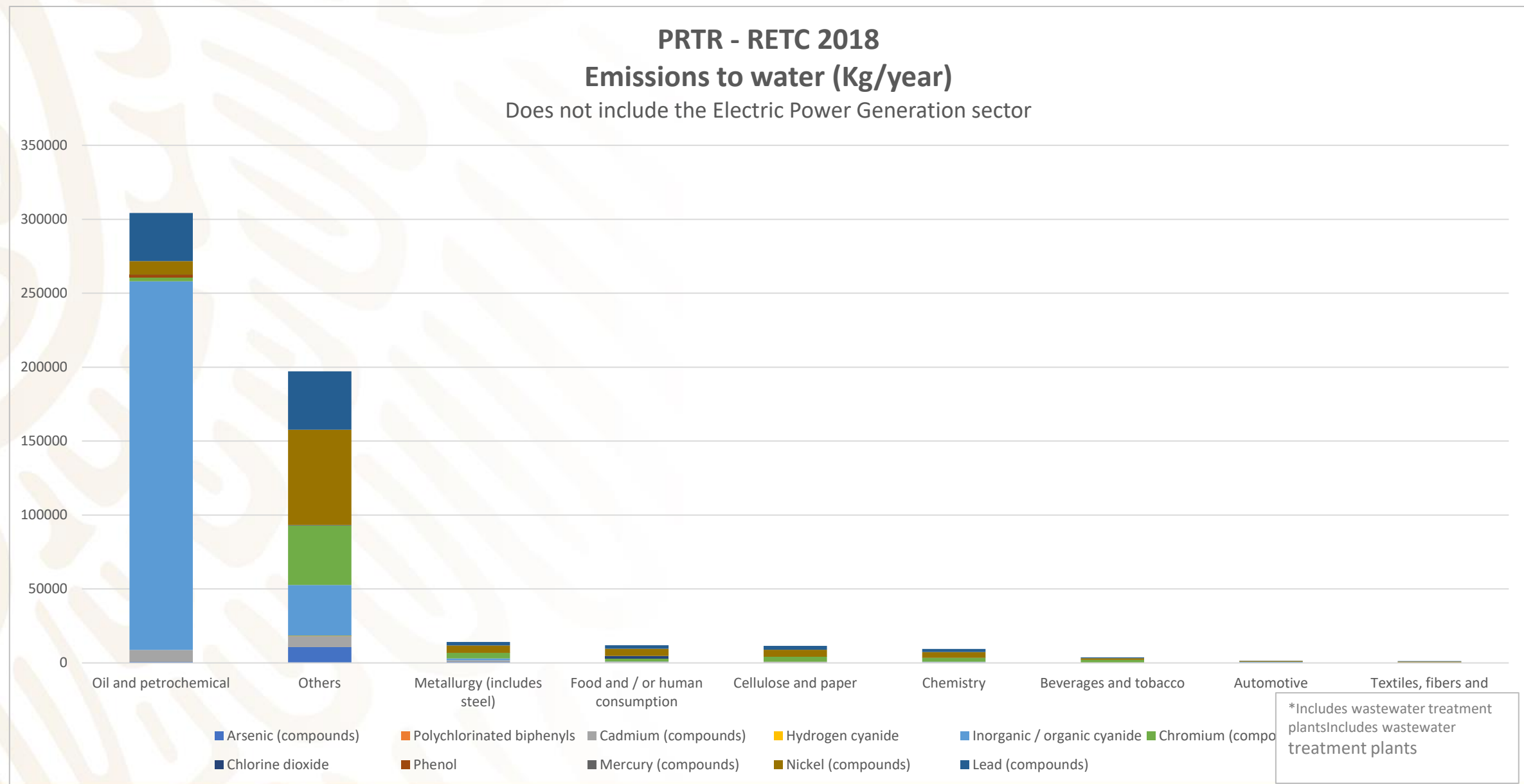
Without hydrogen sulfide generated by
geothermal facility



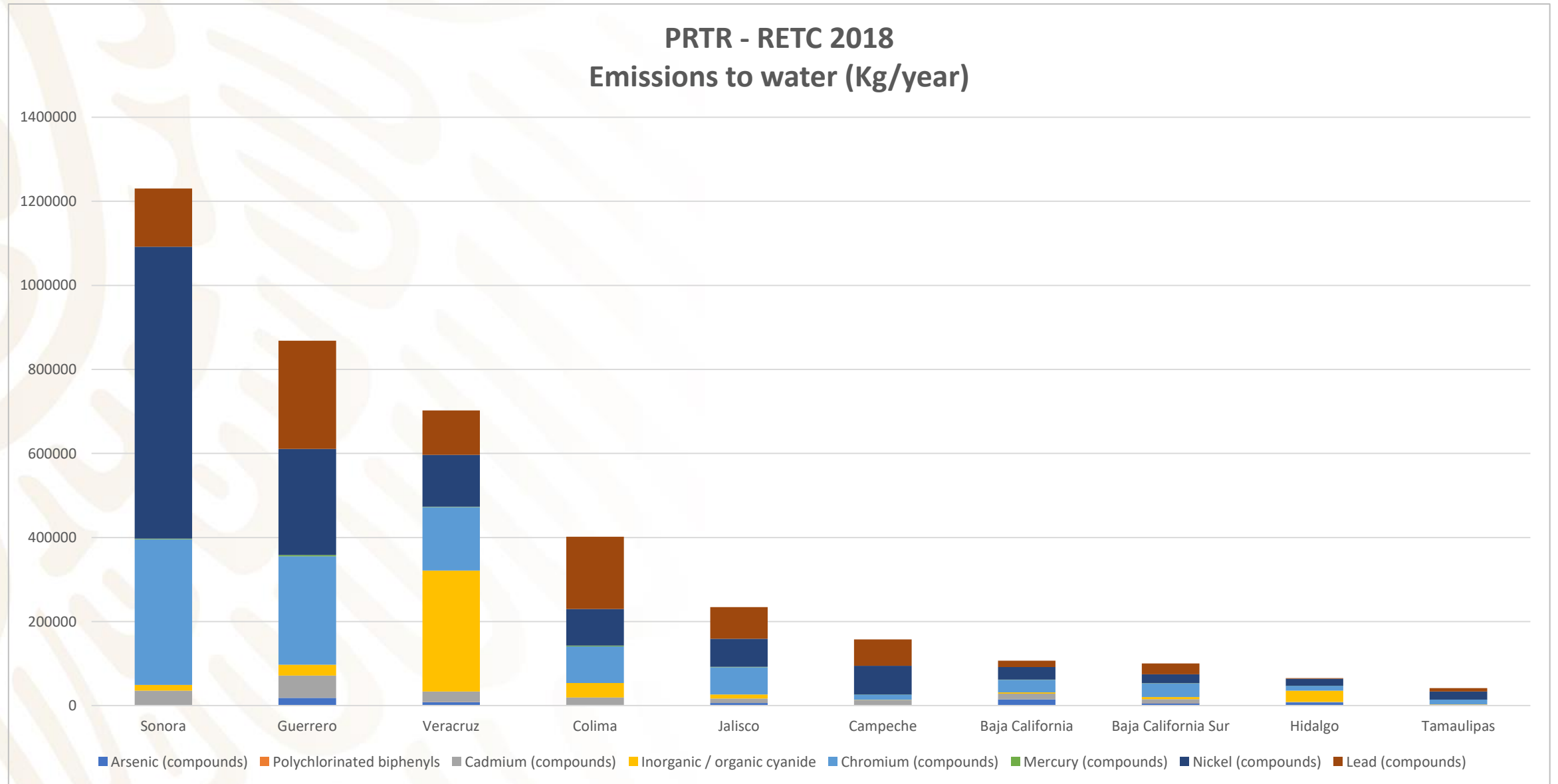
Emissiones to water by sector, RETC 2018



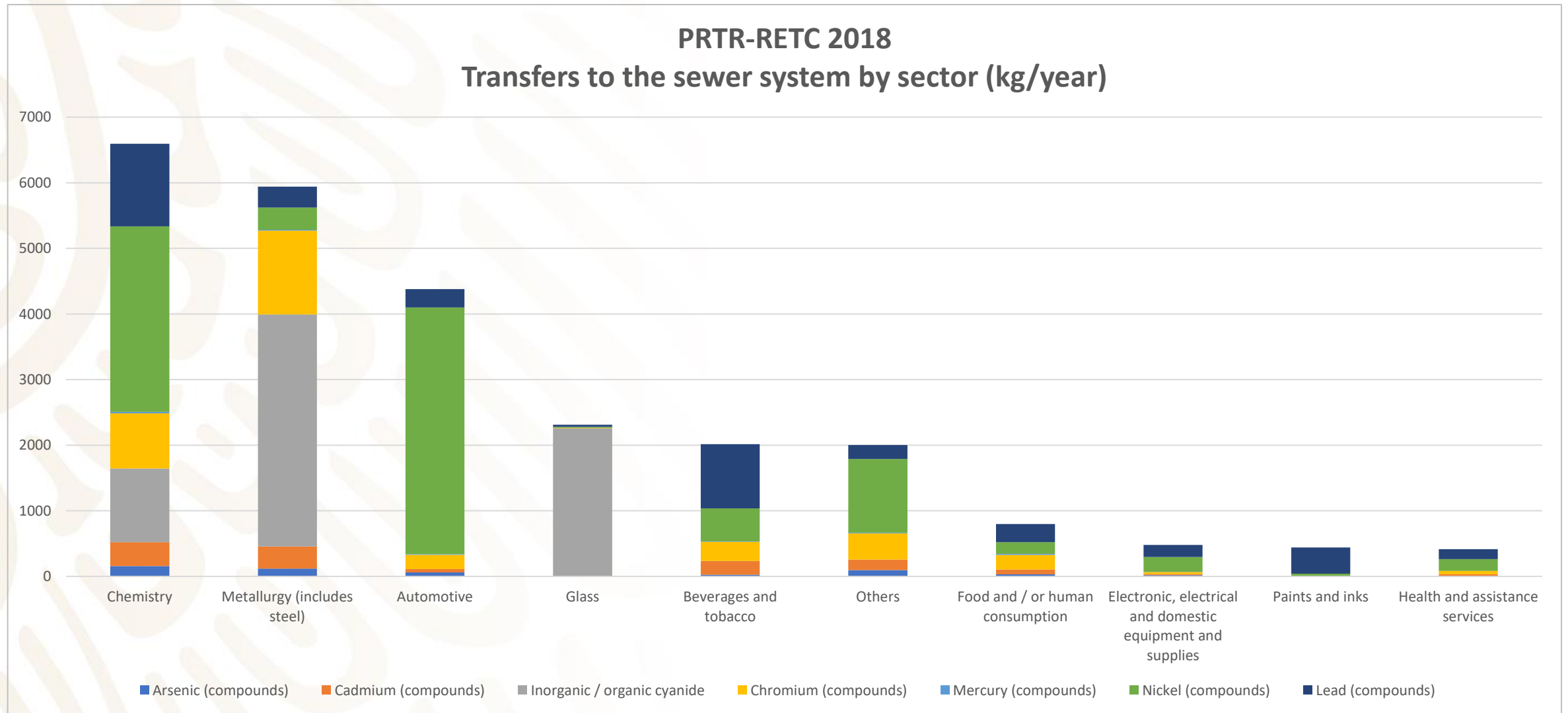
Emissiones to water by sector, RETC 2018



Emissions to water by state, RETC 2018

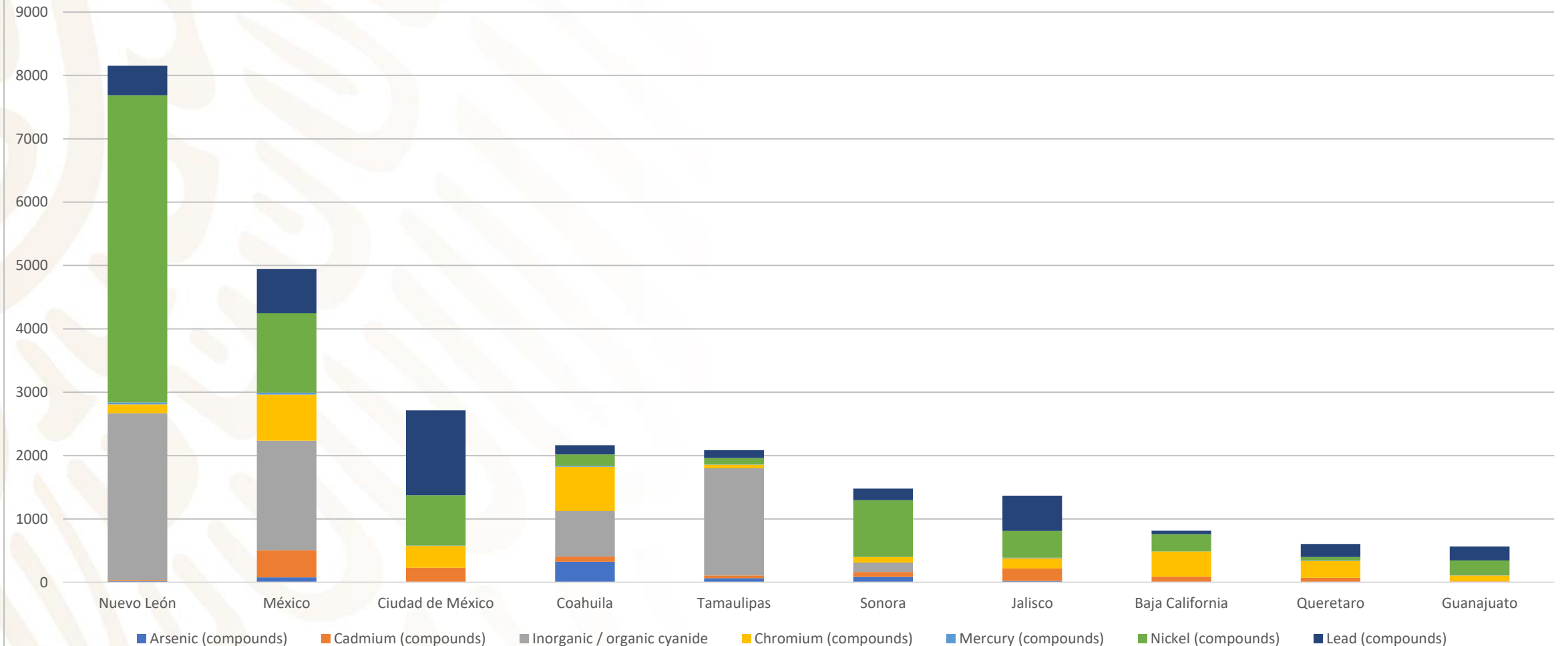


Transfers for discharges of wastewater to sewerage by sector, RETC 2018



Transfers for discharges of wastewater to sewerage by state, RETC 2018

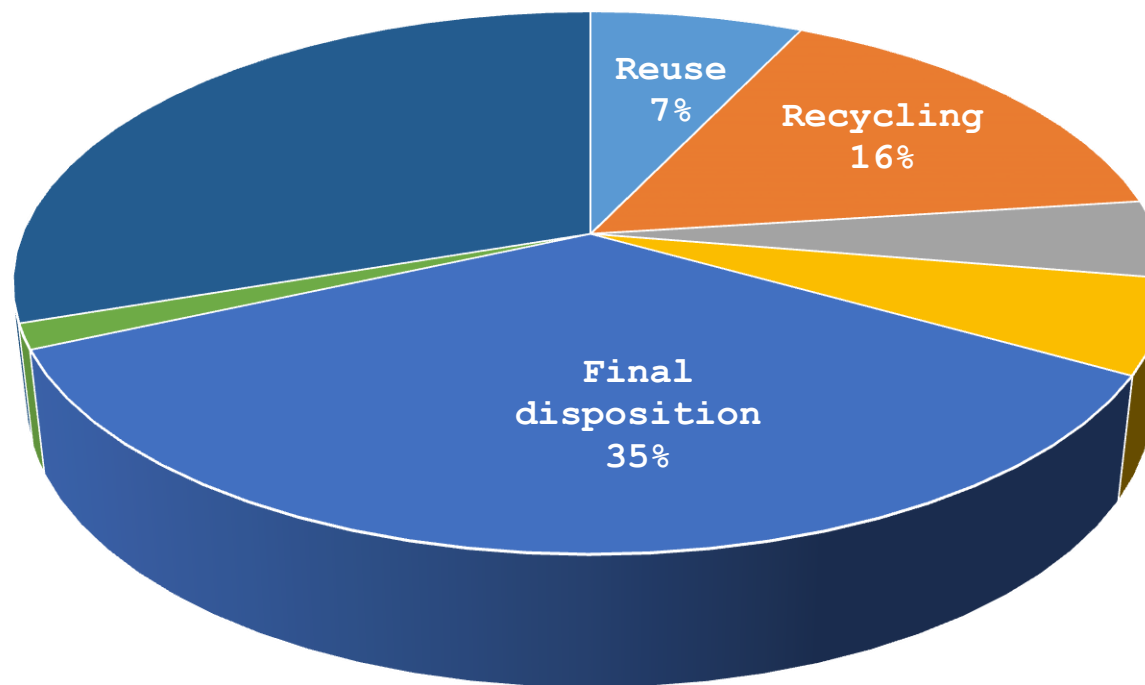
PRTR-RETC 2018
Transfers to the sewer system by State (kg/year)



Hazardous Wastes Transferences, RETC 2018

PRTR - RETC 2018
Hazardous Wastes transferences (%)

Type	Ton/ year
Reuse	1,763
Recycling	3,954
Co-processing	1,156
Treatment	1,388
Final disposal	8,729
Incineration	373
Others	7,517
TOTAL	24,881



Future Actions (2020-2024)

Operating Plan 2020-2024

1. Update of COA Web Review Module with criteria for PRTR
 2. Review of NOM-165-SEMARNAT-2013. List of substances (2021-2023)
 3. Update of PRTR - RETC webpage (2021-2023):
 - Improve content
 - Development and publication of annual reports
 - Publication of the PRTR database that allows the users to:
 - a. Customized and exportable queries to Excel
 - b. Generation of graphics
 - c. Generation of maps
 - Include page view counter and survey
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THANK YOU!

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