Seagate's Approach to Product Environmental Compliance

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Seagate products must meet both regulatory and customer requirements

RoHS (and RoHS 2)

- Full substance data is required by customers
- Lab reports are required to meet customer and regulatory requirements
- Exemptions are used, but are limited by some customers
- Customer restrictions are much tighter than RoHS

REACH and other new regulations

- Managing changing SVHC lists is a key challenge
- "FMD" (Full Materials Disclosure) is one means of managing REACH
- Homogeneous material level reporting enables compliance to article-level restrictions

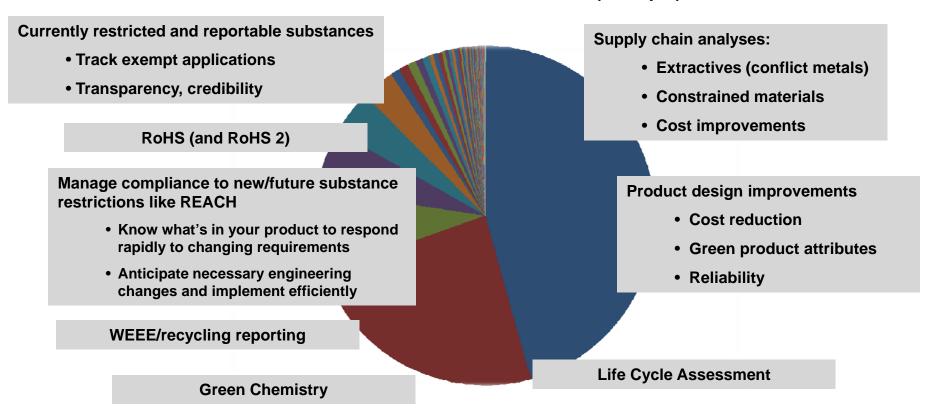
Nonregulatory restrictions

- Customers must meet market and consumer demands
- "Low Halogen", BFR/PVC-free, phthalates, etc.



In order to meet regulatory and customer requirements, Seagate collects full substance content data from suppliers

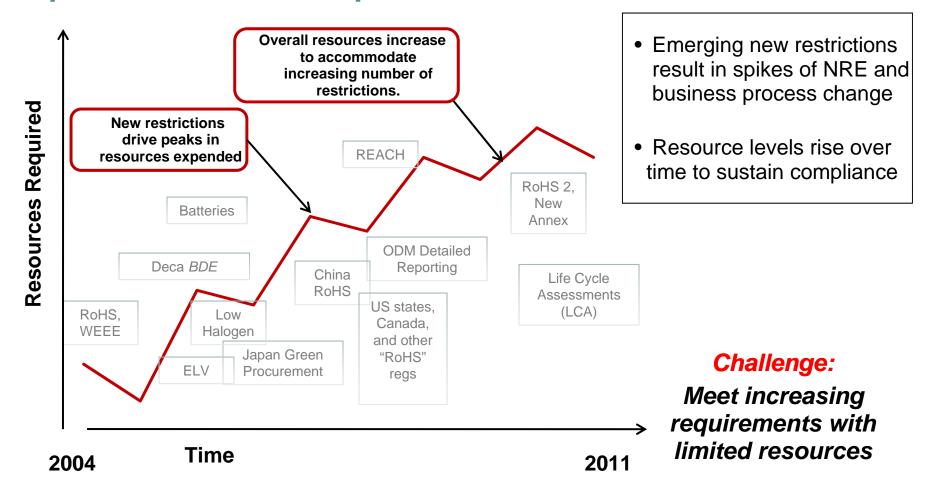
Product Bill of Substances (example)



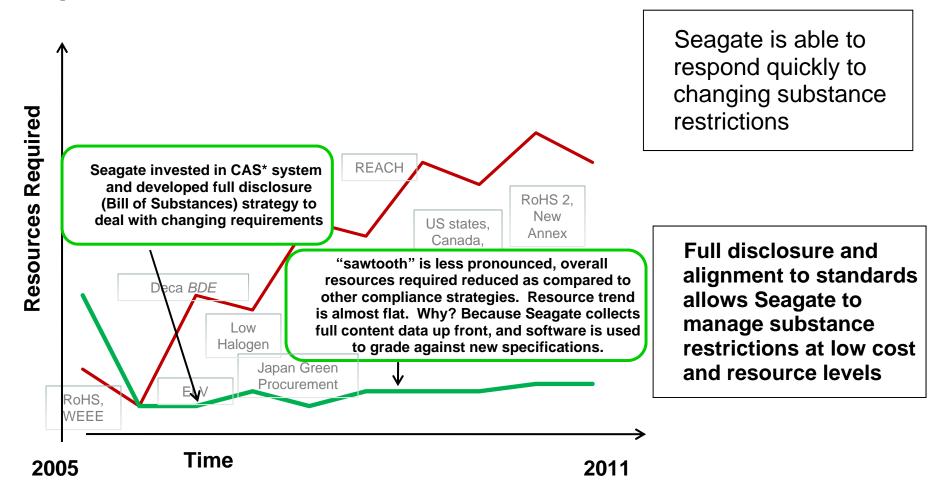
Full disclosure positions Seagate to quickly respond to new regulations and customers' product sustainability and environmental data requirements



Resource requirements and impact to suppliers "spike" in response to new requirements, and total resource requirements ratchet up over time



By investing early in full disclosure data, Seagate has been able to flatten the 'sawtooth' in resource requirements



*CAS - Compliance Assurance System, Seagate's materials content compliance database



Overview of Seagate's Supplier Engagement Approach

- Put data requests in the context of business need and mutual benefit
- Build supplier capacity to provide data through standardization, training, and help desk support
- Ask suppliers for data in a stable, standard format
- Ask for sufficient data to avoid having to go back to supplier for more data (avoid "supplier fatigue")
- Use software automation to collect, check, manage and report supply chain data
- Partner with suppliers and commit to making the process more efficient as long as they provide the data



Thank You

