Overview of slides:

Slides 2 through 4 describe the inflow of products and materials entering U.S. households between 1990-2015.

Slides 5 though 7 describe the stock of material held in U.S. households at any point in time between 1990-2015. These products may be in use or still in storage.

Slides 8 through 10 describe the outflow of used products leaving U.S. households between 1990-2015. These products may enter the waste stream, reuse market, or recycling after this point.

These flows (all slides 2 through 10) are characterized 3 ways: by the number of units (based on sales or shipments for U.S. consumer market), by the mass of each product type (in metric tons), and by the mass of individual materials or components comprising all these products (in metric tons).

Note that where possible, products were grouped and color coded to reflect similar functionality or product categories. The order of data series and color-coding are consistent for all these charts.

Slides 11 and 12 show an in-depth analysis of two materials of concern: lead and mercury. Similarly, they show inflow, stock and outflow by mass, all in metric tons.

Note that the axes for inflow and outflow mass and units are consistent; but axes for stock mass and units are much higher (reflecting product accumulation).

Also note that the figures should be interpreted as general trends, and detailed year-by-year comparisons should be made considering data uncertainty.
Annual Product Inflows (total units) for all U.S. Households

- Blu-ray
- DVD
- VCR
- MP3 player
- Digital camcorder
- Digital camera
- Gaming console
- LED TV
- LCD TV
- Plasma TV
- CRT TV
- LED Monitor
- LCD monitor
- CRT monitor
- Printer
- Laptop
- Desktop
- E-reader
- Tablet
- Smart phone
- Basic phone

- 50,000,000
- 100,000,000
- 150,000,000
- 200,000,000
- 250,000,000
- 300,000,000
- 350,000,000
- 400,000,000
- 450,000,000
- 500,000,000
Material Composition of Product Inflows (metric tons) for all U.S. Households

- Li-ion battery
- CRT Lead
- CRT Glass*
- LCD module with CCFL
- LCD module with LED
- PCB material
- All plastics
- Other metals
- Copper
- Aluminum
- Ferrous metal
Total Stock of Products (units) for all U.S. Households

- Blu-ray
- DVD
- VCR
- MP3 player
- Digital camcorder
- Digital camera
- Gaming console
- LED TV
- LCD TV
- Plasma TV
- CRT TV
- LED Monitor
- LCD monitor
- CRT monitor
- Printer
- Laptop
- Desktop
- E-reader
- Tablet
- Smart phone
- Basic phone
Annual Product Outflows by Mass (metric tons) from U.S. Households