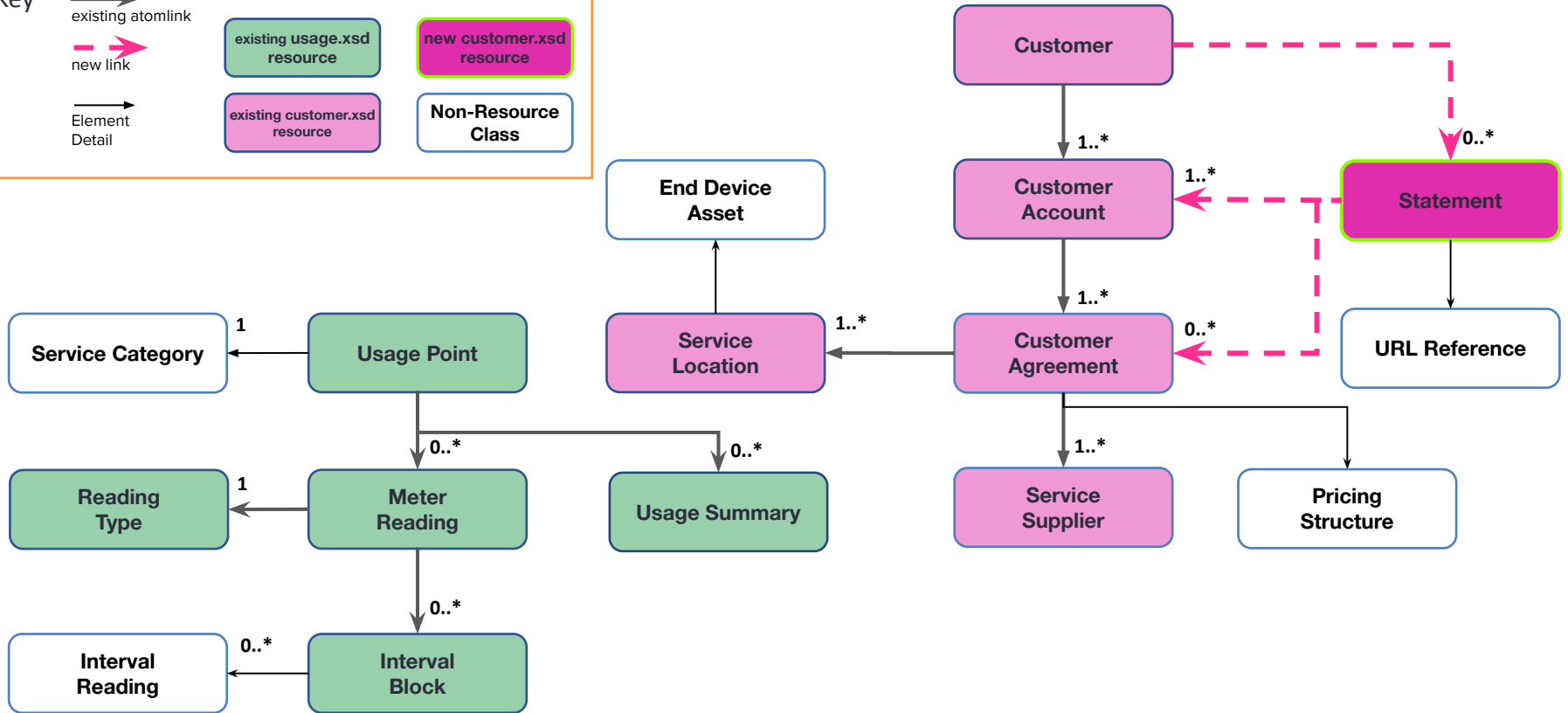
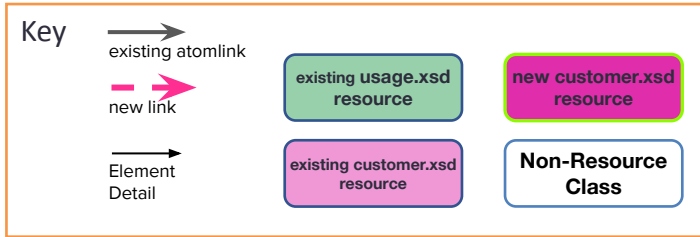


**Green Button Standard:  
Enhancement of the Green  
Button initiative of NIST by  
linking bill images to  
usage data and including  
bill-related fields in the  
XML schema**

# Adding “Statement” as a Resource



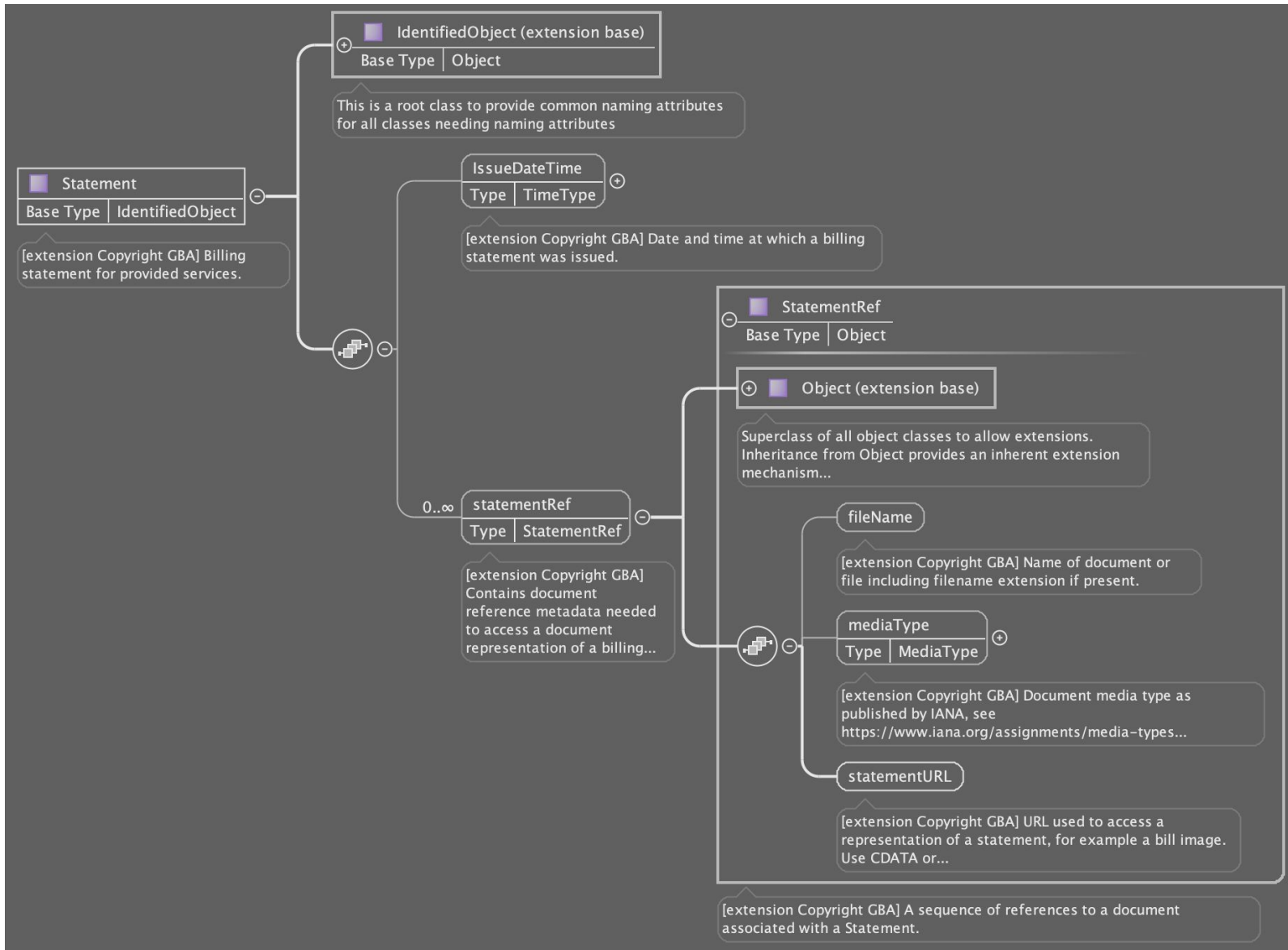
*Note: This information is multidimensional. Many different reading types, agreements, summaries, and readings are possible. i.e. not “flat”*



# Statement Update Phases

	Scope	Objectives
<b>Phase I:</b>	<p>Add “Statement” as a new resource in the customer.xsd schema, which includes a reference to a downloadable bill image.</p> <p>Link “Statement” resource to other resources via Atom links</p>	<p>Enable bill image linking and bill image API calls filtering by dates, linked CustomerAgreement or CustomerAccount.</p> <p>Define and limit scope for this Statement update “MVP” to limit the time it will take to be ratified by NAESB.</p>
<b>Phase II:</b>	<p>Add bill-related fields—not already-represented in the Green Button format— to the next-revision draft of the Green Button core standard.</p>	<p>Allow third parties to map usage, rate and cost from line items on bills to Service Locations, Usage Points, and usage data from Meter Readings.</p>

# Proposed Schema Addition for Statement Resource





# Example XML of Statement Instance

```
<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://www.w3.org/2005/Atom">
  <id>urn:uuid:41226291-31dc-527b-a5e1-4fbd395b7f88</id>
  <link rel="self" href="https://utilityapi.com/RetailCustomer/111111/Customer/222222/CustomerAccount/333333/Statement/444444" type="cust-entry/Statement"/>
  <link rel="up" href="https://utilityapi.com/RetailCustomer/111111/Customer/222222/CustomerAccount/333333/Statement" type="cust-feed/Statement"/>
  <link rel="related" href="https://utilityapi.com/RetailCustomer/111111/Customer/222222/CustomerAccount/333333" type="cust-entry/CustomerAccount"/>
  <link rel="related" href="https://utilityapi.com/RetailCustomer/111111/Customer/222222/CustomerAccount/333333/CustomerAgreement/444444" type="cust-entry/CustomerAgreement"/>
  <published>2022-02-03T23:59:09.333513Z</published>
  <updated>2022-02-03T23:59:09.333513Z</updated>
  <title>Statement</title>
  <content>
    <Statement xmlns="http://naesb.org/espi/customer">
      <IssueDateTime>1651272305</IssueDateTime>
      <statementRef>
        <fileName>test_bill.pdf</fileName>
        <mediaType>application/pdf</mediaType>
        <statementURL>https://utilityapi.com/non-espi/test_bill.pdf</statementURL>
      </statementRef>
    </Statement>
  </content>
</entry>
```



The proposed schema update to achieve Phase I: “linking bill images to usage data” is available for review in the retailcustomer.xsd file in the “etc” directory a new “statement-update” branch on Flux Tailor’s fork of the Green Button Github repository:

[github.com/FluxTailor/OpenESPI-Common-java/blob/statement-update/etc/retailcustomer.xsd](https://github.com/FluxTailor/OpenESPI-Common-java/blob/statement-update/etc/retailcustomer.xsd)

You can use [the repository’s “Discussion” tab](#) to review and contribute feedback on this standard update proposal.

Kindly fill out our 5 question survey to inform our work on this project and ensure coverage of as large a variety of use cases as possible:

[airtable.com/shr9KpTxJhGHqZyf6](https://airtable.com/shr9KpTxJhGHqZyf6)

Up to date information will be available at: [fluxtailor.com/standards](https://fluxtailor.com/standards)

**THANK YOU FOR REVIEWING AND CONTRIBUTING!**