RetailCustomer Model (customer info) join with Subscription/UsagePoint

Customer Authorization (Subscription/RetailCustomer)

Customer Info (Anonymous)

RetailCustomer (authorization of Customer Info)

Customer
- name (PG&E Billable Customer)

CustomerAccount
- Name (PG&E Acct ID)

CustomerAgreement
- Name (PG&E SA ID)
- signDate

notifications
- methodKind
- time
- note
- customerNotificationKind

Usage Info (Anonymous)

Subscription
(authorization of Usage/Billing Info)

UsagePoint (aka SA UUID)
(obfuscated SA ID)

ServiceLocation
(PG&E Service Address)

PG&E implementation joins the CustomerAgreement and UsagePoint. Other implementations may join ServiceLocation to UsagePoint.

CustomerAccount
- Name (PG&E Acct ID)

Customer
- name (PG&E Billable Customer)

CustomerAgreement
- Name (PG&E SA ID)
- signDate

Join

Meter Reading
(Interval Usage Info)

Interval Block
- duration
- start

LEGEND
- Elements (boxes) with dashed outline require calling Root Node API
- Elements (boxes) with solid outline are Root Nodes which can be requested individually via resource API request
- Reference links indicate element references other element
Atom XML relational Links:
ESPI Derived XSD (captures EUI = Energy Usage Information, including billing info aka 'Usage Summary')
PG&E Retail Customer

Atom XML relational Links:
Retail Customer XSD (captures Personally Identifiable Customer Information like name, Service Agreement ID etc.)

PG&E requires extracting Customer Agreement self-link URI substring from the Service Agreement up-link or Service Agreement self-link URIs in order to relate a Customer Agreement with a Service Location.