

Parms (without quotes):

```
from_bill_date      ' '  
thru_bill_date      'z'  
thru_bill_date      '11/05/2021'  
use_bill_day_Y_N    'N'  
from_bill_group     ' '  
thru_bill_group     'z'
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SELECT  
sw_order.bill_fccid as OCN,  
sw_order.ban as ban,  
sum(DECODE(pd_back,11,rated_minutes,0)) as minus_11_rated_minutes,  
sum(DECODE(pd_back,10,rated_minutes,0)) as minus_10_rated_minutes,  
sum(DECODE(pd_back, 9,rated_minutes,0)) as minus_09_rated_minutes,  
sum(DECODE(pd_back, 8,rated_minutes,0)) as minus_08_rated_minutes,  
sum(DECODE(pd_back, 7,rated_minutes,0)) as minus_07_rated_minutes,  
sum(DECODE(pd_back, 6,rated_minutes,0)) as minus_06_rated_minutes,  
sum(DECODE(pd_back, 5,rated_minutes,0)) as minus_05_rated_minutes,  
sum(DECODE(pd_back, 4,rated_minutes,0)) as minus_04_rated_minutes,  
sum(DECODE(pd_back, 3,rated_minutes,0)) as minus_03_rated_minutes,  
sum(DECODE(pd_back, 2,rated_minutes,0)) as minus_02_rated_minutes,  
sum(DECODE(pd_back, 1,rated_minutes,0)) as minus_01_rated_minutes,  
sum(DECODE(pd_back, 0,rated_minutes,0)) as current_rated_minutes,  
sum(DECODE(pd_back,11,revenue,0)) as minus_11_revenue,  
sum(DECODE(pd_back,10,revenue,0)) as minus_10_revenue,  
sum(DECODE(pd_back, 9,revenue,0)) as minus_09_revenue,  
sum(DECODE(pd_back, 8,revenue,0)) as minus_08_revenue,  
sum(DECODE(pd_back, 7,revenue,0)) as minus_07_revenue,  
sum(DECODE(pd_back, 6,revenue,0)) as minus_06_revenue,  
sum(DECODE(pd_back, 5,revenue,0)) as minus_05_revenue,  
sum(DECODE(pd_back, 4,revenue,0)) as minus_04_revenue,  
sum(DECODE(pd_back, 3,revenue,0)) as minus_03_revenue,  
sum(DECODE(pd_back, 2,revenue,0)) as minus_02_revenue,  
sum(DECODE(pd_back, 1,revenue,0)) as minus_01_revenue,  
sum(DECODE(pd_back, 0,revenue,0)) as current_revenue,  
sum(DECODE(pd_back,11,available_msgs,0)) as minus_11_available_msgs,  
sum(DECODE(pd_back,10,available_msgs,0)) as minus_10_available_msgs,  
sum(DECODE(pd_back, 9,available_msgs,0)) as minus_09_available_msgs,  
sum(DECODE(pd_back, 8,available_msgs,0)) as minus_08_available_msgs,  
sum(DECODE(pd_back, 7,available_msgs,0)) as minus_07_available_msgs,  
sum(DECODE(pd_back, 6,available_msgs,0)) as minus_06_available_msgs,  
sum(DECODE(pd_back, 5,available_msgs,0)) as minus_05_available_msgs,  
sum(DECODE(pd_back, 4,available_msgs,0)) as minus_04_available_msgs,  
sum(DECODE(pd_back, 3,available_msgs,0)) as minus_03_available_msgs,  
sum(DECODE(pd_back, 2,available_msgs,0)) as minus_02_available_msgs,
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sum(DECODE(pd_back, 1,available_msgs,0)) as minus_01_available_msgs,
sum(DECODE(pd_back, 0,available_msgs,0)) as current_available_msgs,
sum(DECODE(pd_back,11,available_mou,0)) as minus_11_available_mou,
sum(DECODE(pd_back,10,available_mou,0)) as minus_10_available_mou,
sum(DECODE(pd_back, 9,available_mou,0)) as minus_09_available_mou,
sum(DECODE(pd_back, 8,available_mou,0)) as minus_08_available_mou,
sum(DECODE(pd_back, 7,available_mou,0)) as minus_07_available_mou,
sum(DECODE(pd_back, 6,available_mou,0)) as minus_06_available_mou,
sum(DECODE(pd_back, 5,available_mou,0)) as minus_05_available_mou,
sum(DECODE(pd_back, 4,available_mou,0)) as minus_04_available_mou,
sum(DECODE(pd_back, 3,available_mou,0)) as minus_03_available_mou,
sum(DECODE(pd_back, 2,available_mou,0)) as minus_02_available_mou,
sum(DECODE(pd_back, 1,available_mou,0)) as minus_01_available_mou,
sum(DECODE(pd_back, 0,available_mou,0)) as current_available_mou,
sum(rated_minutes) as tot_rated_minutes,
sum(revenue) tot_revenue,
sum(available_msgs) tot_available_msgs,
sum(available_mou) tot_available_mou,
active,
last_post_bill_date,
DECODE(sum(DECODE(pd_back,11,1,0)),0,'NO BILL',DECODE(sum(DECODE(pd_back,11,DECODE(is_held,'Y',1,0),0)),1,'HELD','')) as minus_11_bill,
DECODE(sum(DECODE(pd_back,10,1,0)),0,'NO BILL',DECODE(sum(DECODE(pd_back,10,DECODE(is_held,'Y',1,0),0)),1,'HELD','')) as minus_10_bill,
DECODE(sum(DECODE(pd_back, 9,1,0)),0,'NO BILL',DECODE(sum(DECODE(pd_back, 9,DECODE(is_held,'Y',1,0),0)),1,'HELD','')) as minus_09_bill,
DECODE(sum(DECODE(pd_back, 8,1,0)),0,'NO BILL',DECODE(sum(DECODE(pd_back, 8,DECODE(is_held,'Y',1,0),0)),1,'HELD','')) as minus_08_bill,
DECODE(sum(DECODE(pd_back, 7,1,0)),0,'NO BILL',DECODE(sum(DECODE(pd_back, 7,DECODE(is_held,'Y',1,0),0)),1,'HELD','')) as minus_07_bill,
DECODE(sum(DECODE(pd_back, 6,1,0)),0,'NO BILL',DECODE(sum(DECODE(pd_back, 6,DECODE(is_held,'Y',1,0),0)),1,'HELD','')) as minus_06_bill,
DECODE(sum(DECODE(pd_back, 5,1,0)),0,'NO BILL',DECODE(sum(DECODE(pd_back, 5,DECODE(is_held,'Y',1,0),0)),1,'HELD','')) as minus_05_bill,
DECODE(sum(DECODE(pd_back, 4,1,0)),0,'NO BILL',DECODE(sum(DECODE(pd_back, 4,DECODE(is_held,'Y',1,0),0)),1,'HELD','')) as minus_04_bill,
DECODE(sum(DECODE(pd_back, 3,1,0)),0,'NO BILL',DECODE(sum(DECODE(pd_back, 3,DECODE(is_held,'Y',1,0),0)),1,'HELD','')) as minus_03_bill,
DECODE(sum(DECODE(pd_back, 2,1,0)),0,'NO BILL',DECODE(sum(DECODE(pd_back, 2,DECODE(is_held,'Y',1,0),0)),1,'HELD','')) as minus_02_bill,
DECODE(sum(DECODE(pd_back, 1,1,0)),0,'NO BILL',DECODE(sum(DECODE(pd_back, 1,DECODE(is_held,'Y',1,0),0)),1,'HELD','')) as minus_01_bill,
DECODE(sum(DECODE(pd_back, 0,1,0)),0,'NO BILL',DECODE(sum(DECODE(pd_back, 0,DECODE(is_held,'Y',1,0),0)),1,'HELD','')) as current_bill,
name as company_Name,
DECODE(sum(available_msgs),NULL,'NEVER BILLED',''),
ic.ic_name,
sw_order.cic_list,
sw_order.ic_cic
FROM
sw_order,
bill_rendering Lec,
ic,
(
SELECT
invoice_num,
ocn,
cic_list,
ic_cic,
ban,
bill_date,
rated_minutes,

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revenue,
available_msgs,
available_mou,
pd_back,
is_held
FROM
(
    SELECT
    bill_master.invoice_num,
    bill_master.bill_fccid as ocn,
    bill_master.cic_list as cic_list,
    bill_master.ic_cic as ic_cic,
    bill_master.ban as ban,
    bill_master.bill_date,
    nvl(rated_minutes,0) as rated_minutes,
    nvl(revenue,0.00) as revenue,
    nvl(available_msgs,0) as available_msgs,
    nvl(available_mou,0) as available_mou,
    bill_master.is_held
    FROM
    bill_master,
    (
        SELECT
        bill_master.invoice_num,
        rated_minutes,
        revenue
        FROM
        bill_master,
        (
            SELECT
            invoice_num,
            sum(usage_qty) as rated_minutes,
            sum(amount_billed) as revenue
            FROM
            bill_soc
            WHERE
            bill_section_ind = '2'
            GROUP BY
            invoice_num
        ) bill_soc
        WHERE
        bill_soc.invoice_num (+) = bill_master.invoice_num
    ) bill_soc,
    (
        SELECT
        bill_master.invoice_num,
        available_msgs,

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available_mou
FROM
bill_master,
(
    SELECT
    invoice_num,
    sum(rcded_msg) as available_msgs,
    sum(factored_mou) as available_mou
    FROM
    bill_factored_usage
    GROUP BY
    invoice_num
) bill_factored_usage
WHERE
bill_factored_usage.invoice_num (+) = bill_master.invoice_num
) bill_factored_usage
WHERE
bill_master.invoice_num = bill_factored_usage.invoice_num AND
bill_master.invoice_num = bill_soc.invoice_num
),
(
select to_char(pd_bucket_a.usg_period) as usg_period,pd_bucket_a.pd_back
from
(
    select
    case
    when to_number(to_char(:thru_bill_date,'MM')) - pd_ctr.pd_back <= 0 then
        to_number(to_char(:thru_bill_date,'YYYY')) - 1
    else to_number(to_char(:thru_bill_date,'YYYY'))
    end || '-' ||
    case
    when to_number(to_char(:thru_bill_date,'MM')) - pd_ctr.pd_back <= 0 then
        lpad(to_number(to_char(:thru_bill_date,'MM')) + 12 - pd_ctr.pd_back,2,'0')
    else lpad(to_number(to_char(:thru_bill_date,'MM')) - pd_ctr.pd_back,2,'0') end as usg_period,
    pd_ctr.pd_back,
    'x'
    from
    (
        select 00 as pd_back from dual UNION ALL
        select 01 as pd_back from dual UNION ALL
        select 02 as pd_back from dual UNION ALL
        select 03 as pd_back from dual UNION ALL
        select 04 as pd_back from dual UNION ALL
        select 05 as pd_back from dual UNION ALL
        select 06 as pd_back from dual UNION ALL
        select 07 as pd_back from dual UNION ALL
        select 08 as pd_back from dual UNION ALL
    )

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                select 09 as pd_back from dual UNION ALL
                select 10 as pd_back from dual UNION ALL
                select 11 as pd_back from dual
            ) pd_ctr
        ) pd_bucket_a
    ) pd_bucket
WHERE
    to_char(billing_data.bill_date, 'YYYY-MM') = pd_bucket.usg_period
) billing_data,
(
    SELECT
    case
    when to_number(to_char(:thru_bill_date, 'MM')) - 11 <= 0 then
        to_number(to_char(:thru_bill_date, 'YYYY')) - 1
    else to_number(to_char(:thru_bill_date, 'YYYY'))
    end || '-' ||
    case
    when to_number(to_char(:thru_bill_date, 'MM')) - 11 <= 0 then
        lpad(to_number(to_char(:thru_bill_date, 'MM')) + 12 - 11, 2, '0')
    else lpad(to_number(to_char(:thru_bill_date, 'MM')) - 11, 2, '0') end as starting_YYYY_MM,
    to_char(:thru_bill_date, 'YYYY-MM') as ending_YYYY_MM,

    to_date(case
    when to_number(to_char(:thru_bill_date, 'MM')) - 11 <= 0 then
        to_number(to_char(:thru_bill_date, 'YYYY')) - 1
    else to_number(to_char(:thru_bill_date, 'YYYY'))
    end || '-' ||
    case
    when to_number(to_char(:thru_bill_date, 'MM')) - 11 <= 0 then
        lpad(to_number(to_char(:thru_bill_date, 'MM')) + 12 - 11, 2, '0')
    else lpad(to_number(to_char(:thru_bill_date, 'MM')) - 11, 2, '0')
    end || '-' ||
    to_char(:thru_bill_date, 'DD'), 'YYYY-MM-DD') as starting_date,
    :thru_bill_date as ending_date

    FROM dual
) parm_dates
WHERE
bill_rendering Lec.bill_fccid = sw_order.bill_fccid and
ic.bill_fccid = sw_order.bill_fccid and
ic.ic_cic = sw_order.ic_cic and
ic.CIC_LIST = sw_order.CIC_LIST and
(
    (UPPER(:use_bill_day_y_n) = 'N' and
    to_char(billing_data.bill_date, 'YYYY-MM') >= parm_dates.starting_YYYY_MM and
    to_char(billing_data.bill_date, 'YYYY-MM') <= parm_dates.ending_YYYY_MM)
OR

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(UPPER(:use_bill_day_y_n) = 'Y' and
billing_data.bill_date >= parm_dates.starting_date and
billing_data.bill_date <= parm_dates.ending_date and
to_char(billing_data.bill_date,'DD') = to_char(parm_dates.ending_date,'DD'))
) and
sw_order.ban = billing_data.ban (+)
and sw_order.cic_list = billing_data.cic_list (+)
and sw_order.ic_cic = billing_data.ic_cic (+)
and sw_order.bill_fccid = billing_data.ocn (+)
and sw_order.active = 'Y'
and sw_order.bill_fccid >= :from_bill_fccid
and sw_order.bill_fccid <= :thru_bill_fccid
and sw_order.bill_group_code >= :from_bill_group
and sw_order.bill_group_code <= :thru_bill_group
group by
sw_order.bill_fccid,
sw_order.cic_list,
sw_order.ic_cic,
sw_order.ban,
active,
last_post_bill_date,
name,
ic.ic_name
```